

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011619\
 Data File : VN053416.D
 Acq On : 16 Jan 2019 11:14
 Operator : JC/SP
 Sample : VN0116WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 9:41:22 AM

Quant Time: Jan 17 04:07:31 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	800219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1221354	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1114888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	539764	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	416415	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	7.59	113	364087	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
50) Toluene-d8	10.09	98	1501650	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.40	95	524490	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	128164	19.920	ug/l	98
3) Chloromethane	2.06	50	187995	20.437	ug/l	98
4) Vinyl Chloride	2.19	62	180969	20.409	ug/l	100
5) Bromomethane	2.57	94	124489	20.461	ug/l	95
6) Chloroethane	2.71	64	107902	20.127	ug/l	97
7) Trichlorofluoromethane	3.03	101	237553	20.482	ug/l	99
8) Diethyl Ether	3.41	74	91369	20.975	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	150461	20.484	ug/l	99
10) Methyl Iodide	3.96	142	229025	20.404	ug/l	99
11) Tert butyl alcohol	4.78	59	49478	127.843	ug/l	98
12) 1,1-Dichloroethene	3.74	96	146777	20.602	ug/l	99
13) Acrolein	3.61	56	71440	108.731	ug/l	98
14) Allyl chloride	4.33	41	227312	19.643	ug/l	95
15) Acrylonitrile	4.99	53	288584	113.302	ug/l	100
16) Acetone	3.81	43	201134	108.388	ug/l	99
17) Carbon Disulfide	4.06	76	432081	20.055	ug/l	99
18) Methyl Acetate	4.32	43	136298	21.800	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	413035	21.819	ug/l	99
20) Methylene Chloride	4.56	84	172736	20.389	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	157745	20.710	ug/l	97
22) Diisopropyl ether	5.95	45	515472	21.337	ug/l	99
23) Vinyl Acetate	5.90	43	1642469	110.600	ug/l	100
24) 1,1-Dichloroethane	5.85	63	296854	20.786	ug/l	100
25) 2-Butanone	6.83	43	324878	113.608	ug/l	99
26) 2,2-Dichloropropane	6.83	77	219482	20.355	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	184370	21.168	ug/l	100
28) Bromochloromethane	7.19	49	133593	21.233	ug/l	98
29) Tetrahydrofuran	7.21	42	211701	113.718	ug/l	98
30) Chloroform	7.37	83	293416	21.087	ug/l	99
31) Cyclohexane	7.66	56	281120	20.093	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	246738	20.903	ug/l	99
36) 1,1-Dichloropropene	7.80	75	223303	20.076	ug/l	99
37) Ethyl Acetate	6.93	43	141786	22.156	ug/l	99
38) Carbon Tetrachloride	7.78	117	214856	20.403	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	272033	19.787	ug/l	99
40) Benzene	8.04	78	689255	20.392	ug/l	99
41) Methacrylonitrile	7.17	41	82178	21.990	ug/l	94
42) 1,2-Dichloroethane	8.12	62	207634	21.086	ug/l	100
43) Isopropyl Acetate	8.16	43	254105	22.083	ug/l	100
44) Trichloroethene	8.84	130	191185	20.396	ug/l	99
45) 1,2-Dichloropropane	9.12	63	183828	20.533	ug/l	99
46) Dibromomethane	9.21	93	108532	21.100	ug/l	99
47) Bromodichloromethane	9.40	83	220912	20.422	ug/l	99
48) Methyl methacrylate	9.20	41	127831	21.516	ug/l	98
49) 1,4-Dioxane	9.20	88	26497	456.657	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	719575	114.554	ug/l	100
52) Toluene	10.16	92	427152	20.356	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	227681	20.766	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	266375	20.725	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	156691	21.658	ug/l	98
56) Ethyl methacrylate	10.43	69	202607	20.979	ug/l	99
57) 1,3-Dichloropropane	10.71	76	266525	21.296	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	545926	107.864	ug/l	100
59) 2-Hexanone	10.75	43	497693	112.867	ug/l	99
60) Dibromochloromethane	10.90	129	171039	20.844	ug/l	100
61) 1,2-Dibromoethane	11.01	107	156530	21.393	ug/l	98
64) Tetrachloroethene	10.63	164	209010	19.893	ug/l	98
65) Chlorobenzene	11.43	112	483031	20.469	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	166499	20.281	ug/l	100
67) Ethyl Benzene	11.51	91	814059	20.241	ug/l	99
68) m/p-Xylenes	11.62	106	630627	41.531	ug/l	99
69) o-Xylene	11.95	106	306412	20.767	ug/l	99
70) Styrene	11.96	104	503102	21.010	ug/l	99
71) Bromoform	12.13	173	121335	21.468	ug/l #	99
73) Isopropylbenzene	12.25	105	808441	20.453	ug/l	99
74) N-amyl acetate	12.07	43	227961	21.634	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	180651	21.792	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	160822m	22.609	ug/l	
77) Bromobenzene	12.53	156	213539	20.502	ug/l	99
78) n-propylbenzene	12.59	91	934644	20.599	ug/l	99
79) 2-Chlorotoluene	12.68	91	553114	20.566	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	671029	20.865	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	54318	20.880	ug/l	97
82) 4-Chlorotoluene	12.77	91	565466	20.618	ug/l	99
83) tert-Butylbenzene	12.99	119	588998	20.736	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	677482	20.892	ug/l	100
85) sec-Butylbenzene	13.17	105	800690	20.554	ug/l	100
86) p-Isopropyltoluene	13.29	119	696108	20.580	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	375223	20.480	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	375604	20.438	ug/l	98
89) n-Butylbenzene	13.62	91	582969	20.219	ug/l	99
90) Hexachloroethane	13.88	117	107835	20.328	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	361191	21.429	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26017	24.751	ug/l	96

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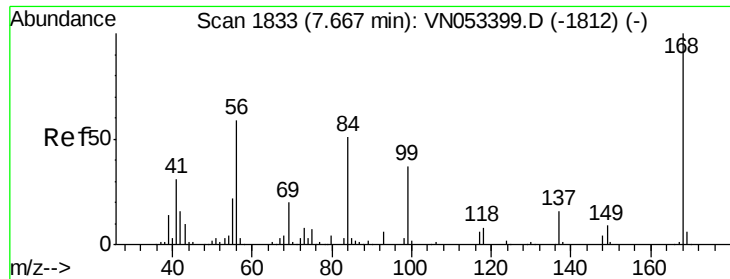
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	156382	22.630	ug/l	99
94) Hexachlorobutadiene	15.01	225	118170	22.474	ug/l	99
95) Naphthalene	15.13	128	274532	23.321	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	117731	23.849	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

Tot Ion:168 Resp: 800219

Ion Ratio Lower Upper

168 100

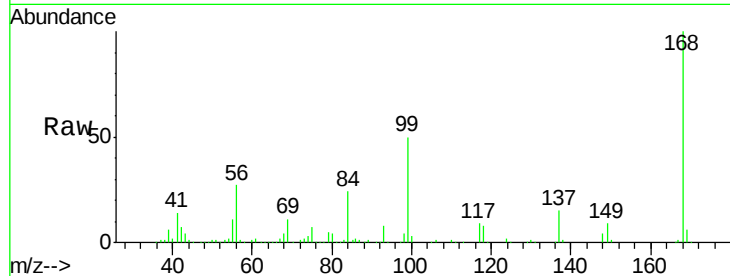
99 49.7 39.1 58.7

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

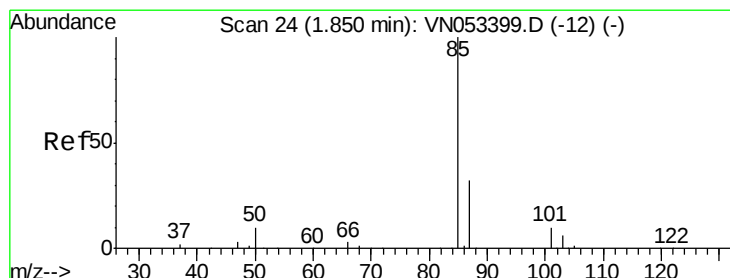
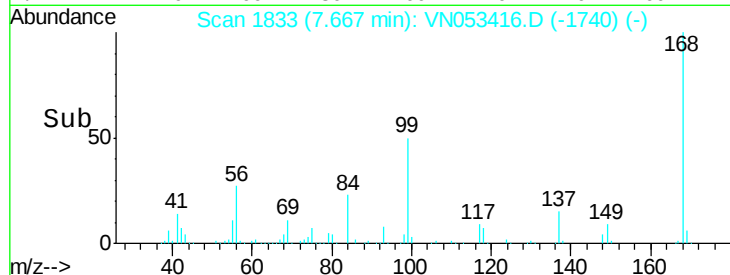
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.920 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053416.D

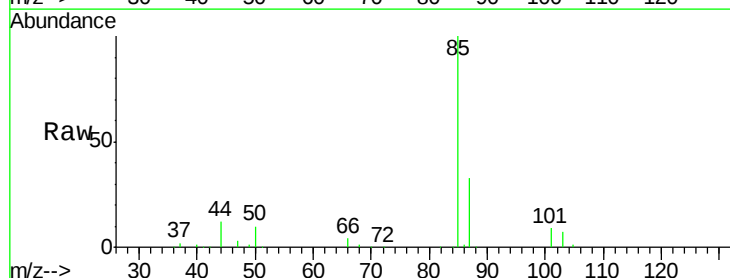
Acq: 16 Jan 2019 11:14

Tgt Ion: 85 Resp: 128164

Ion Ratio Lower Upper

85 100

87 33.4 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

100000

80000

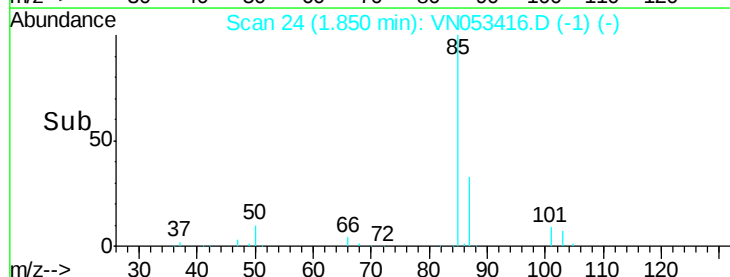
60000

40000

20000

0

Time-->





#3

Chloromethane

Concen: 20.437 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

Tot Ion: 50 Resp: 187995

Ion Ratio Lower Upper

50 100

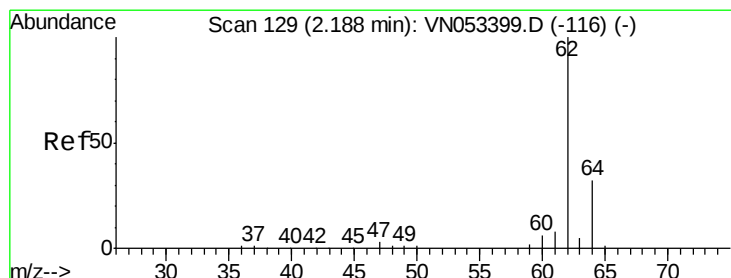
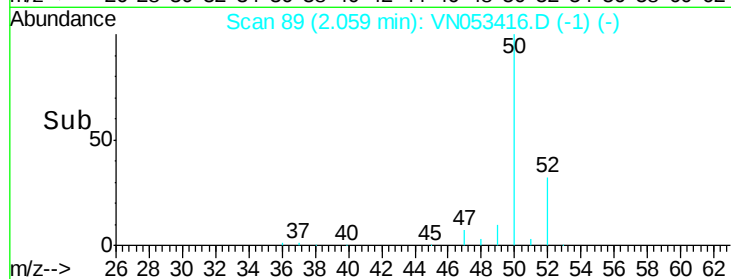
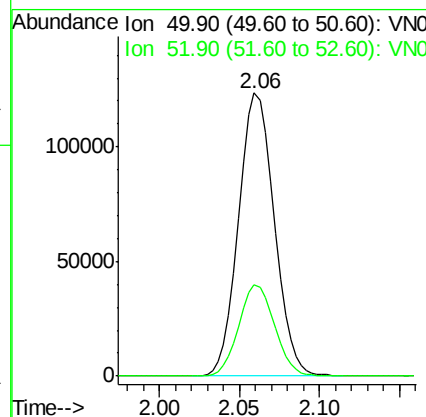
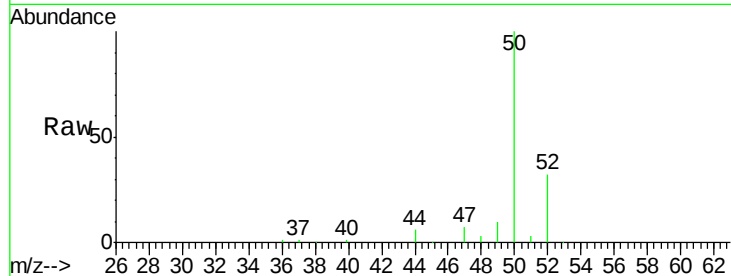
52 32.3 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.409 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053416.D

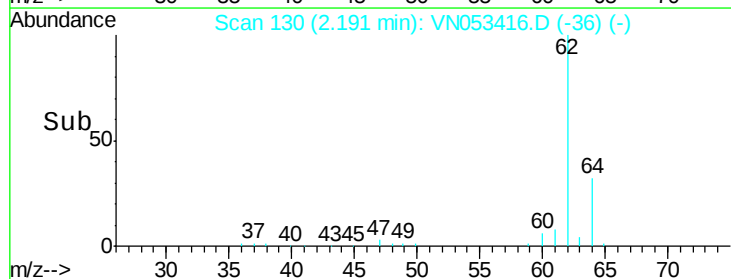
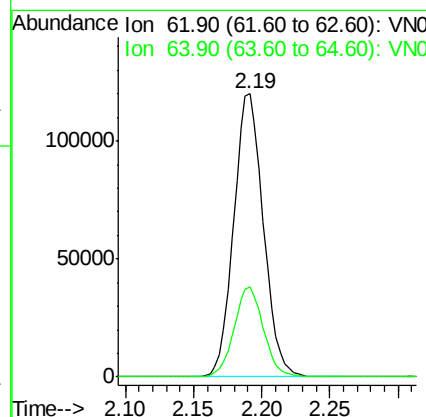
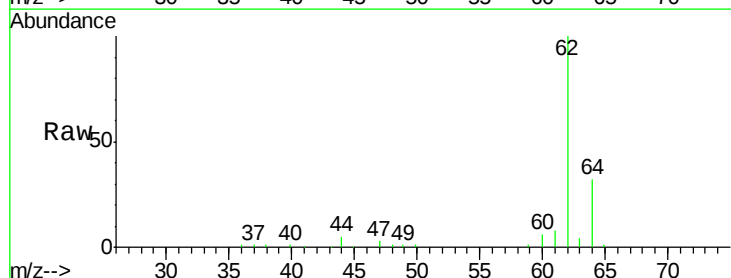
Acq: 16 Jan 2019 11:14

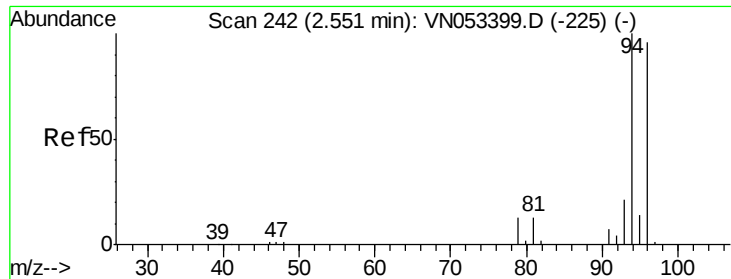
Tgt Ion: 62 Resp: 180969

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2





#5

Bromomethane

Concen: 20.461 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.02 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

Tot Ion: 94 Resp: 124489

Ion Ratio Lower Upper

94 100

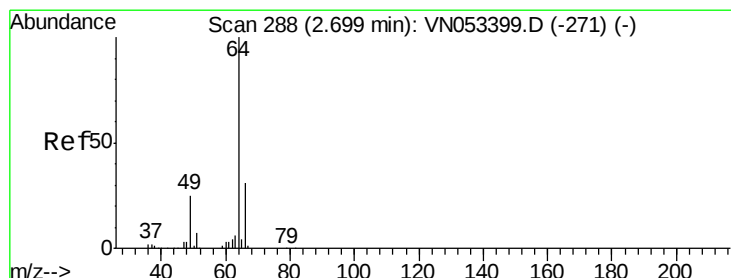
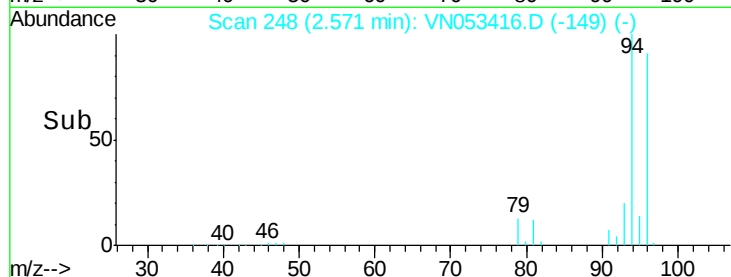
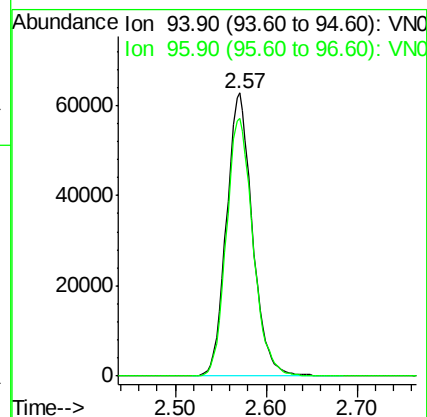
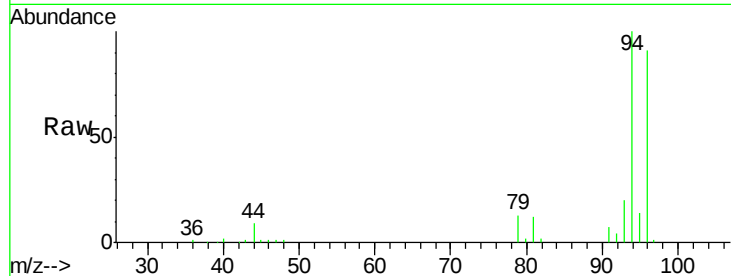
96 90.9 76.8 115.2

Manual Integrations

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#6

Chloroethane

Concen: 20.127 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN053416.D

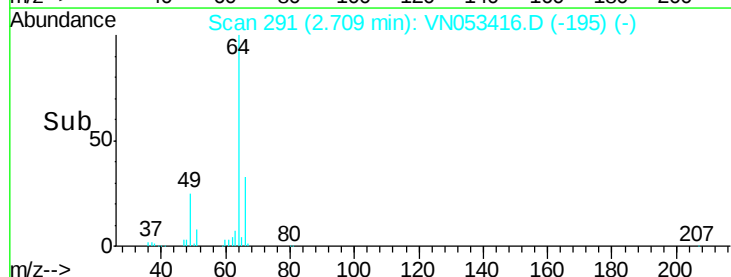
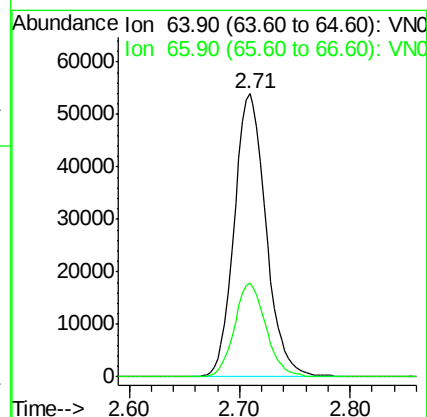
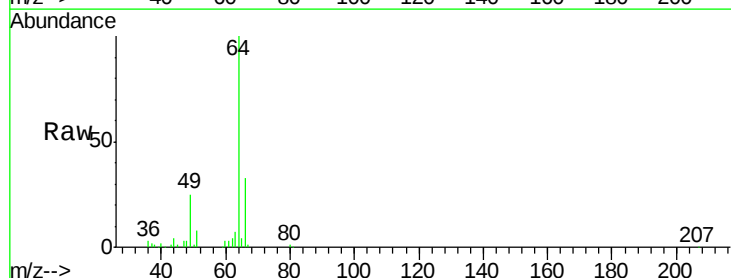
Acq: 16 Jan 2019 11:14

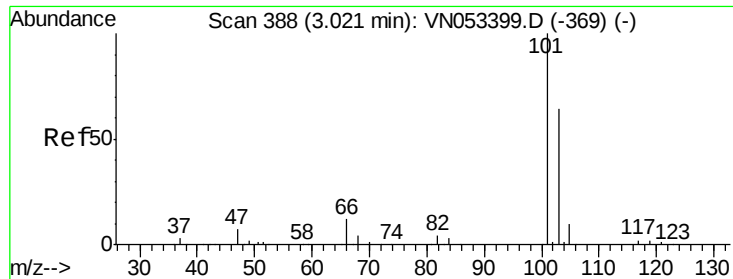
Tgt Ion: 64 Resp: 107902

Ion Ratio Lower Upper

64 100

66 33.3 25.1 37.7





#7

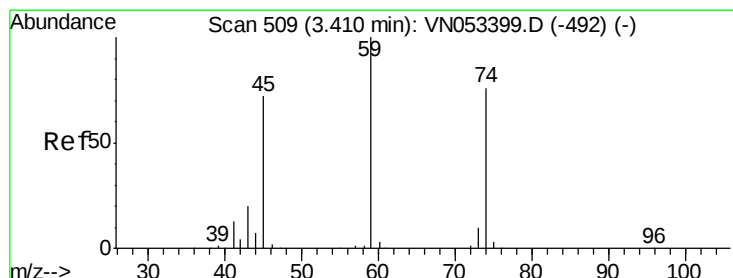
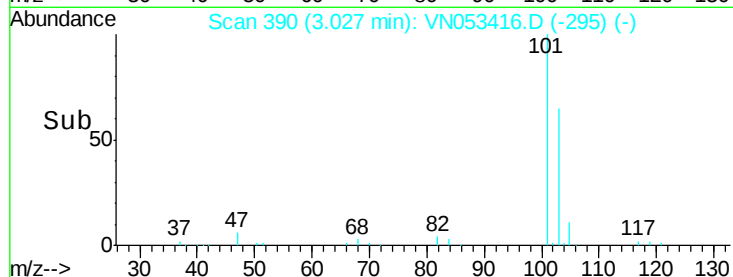
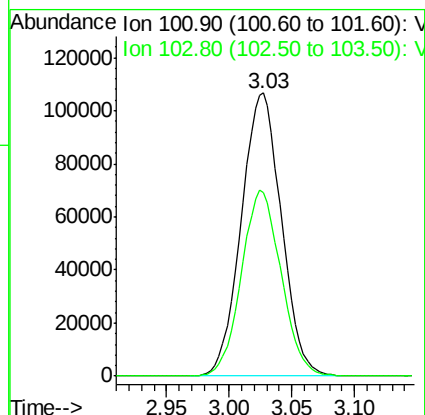
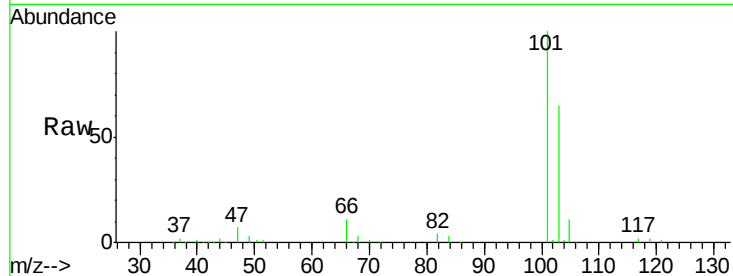
Trichlorofluoromethane
Concen: 20.482 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.01 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

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VN0116WBSD01

Tot Ion:101 Resp: 237553
Ion Ratio Lower Upper
101 100
103 65.1 51.6 77.4

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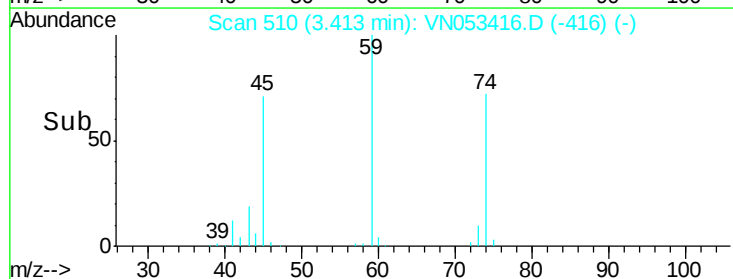
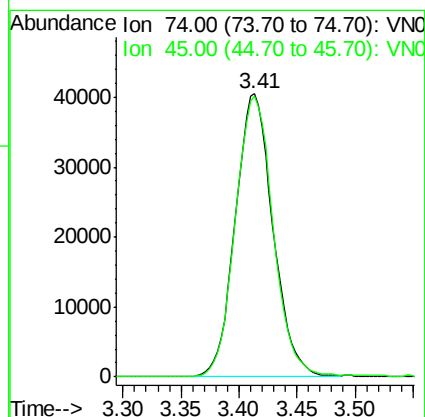
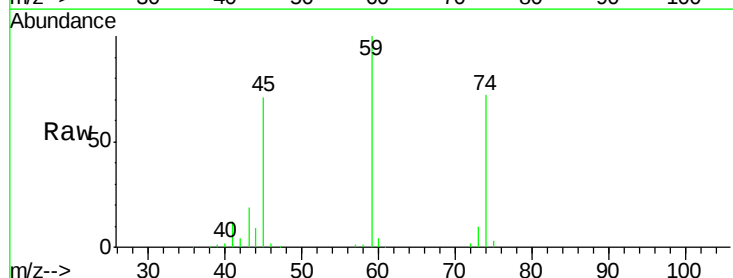
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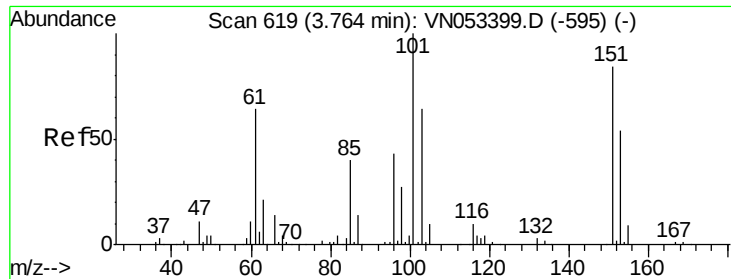


#8

Diethyl Ether
Concen: 20.975 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion: 74 Resp: 91369
Ion Ratio Lower Upper
74 100
45 99.8 47.9 143.7





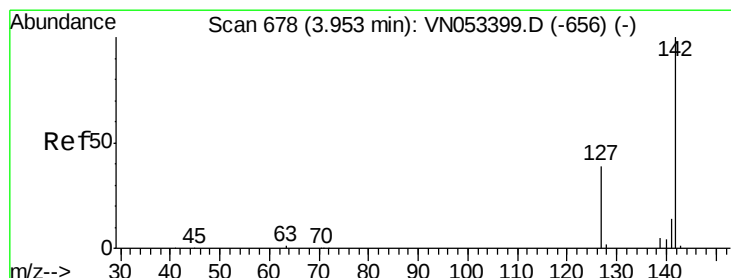
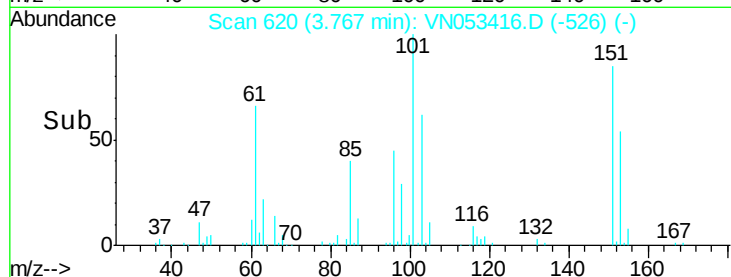
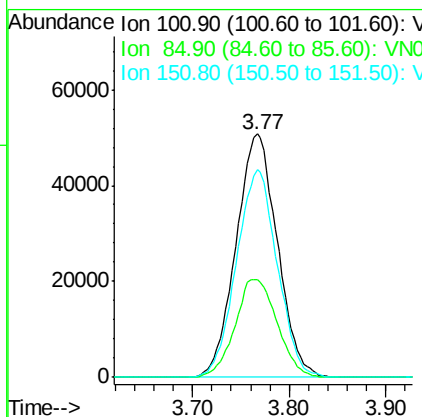
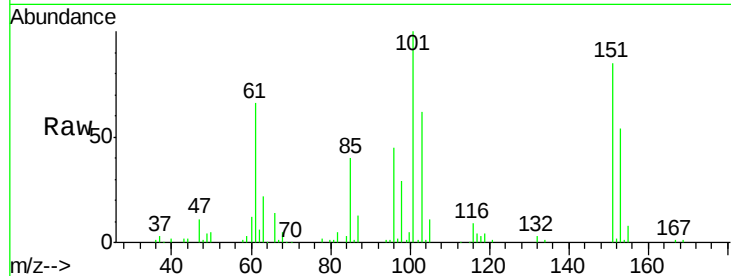
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.484 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN053416.D
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Instrument :
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 ClientSampleId :
 VN0116WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	150461		
85	41.1	32.8	49.2	
151	84.5	66.9	100.3	

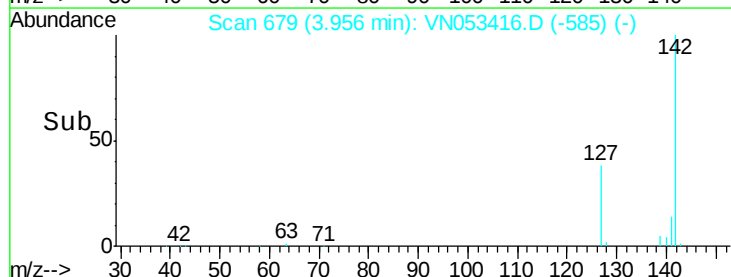
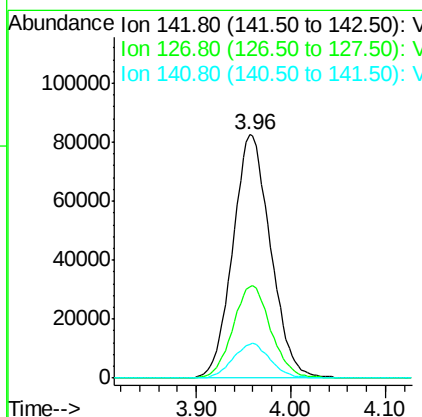
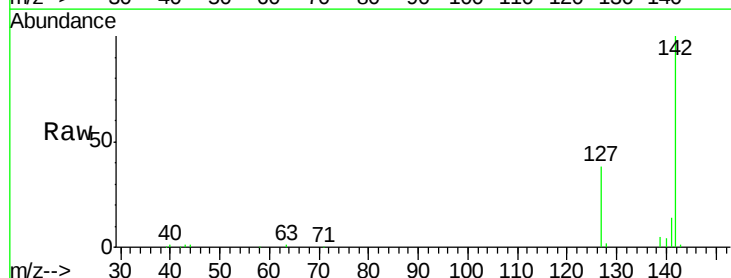
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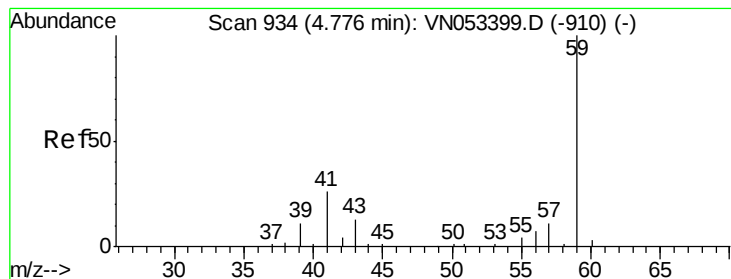
MMDadoda
 1/17/2019 9:41:22 AM



#10
 Methyl Iodide
 Concen: 20.404 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	229025		
127	38.2	31.0	46.4	
141	14.1	11.1	16.7	





#11

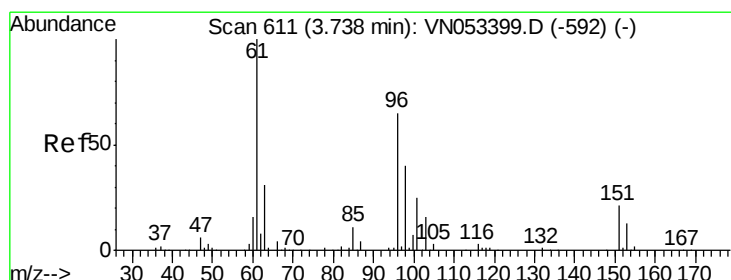
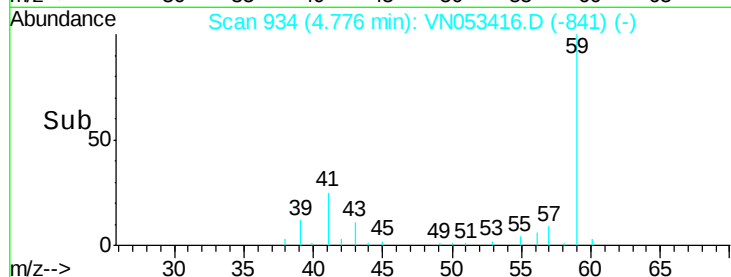
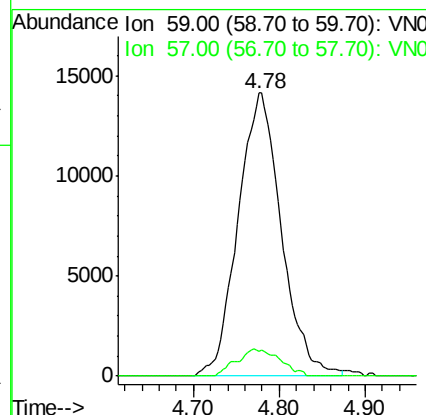
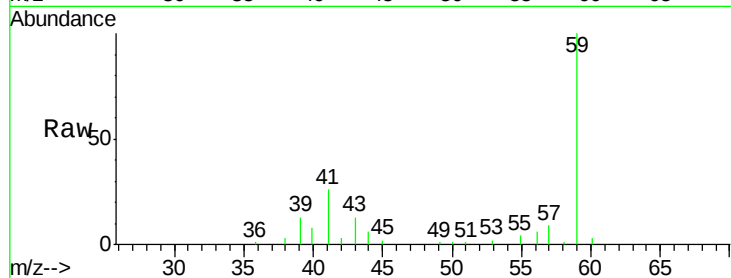
Tert butyl alcohol
Concen: 127.843 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	59	57	Ratio	100	9.5	Resp:	49478	Lower	8.2	Upper	12.4
Ion	59	57	Ratio	100	9.5	Resp:	49478	Lower	8.2	Upper	12.4

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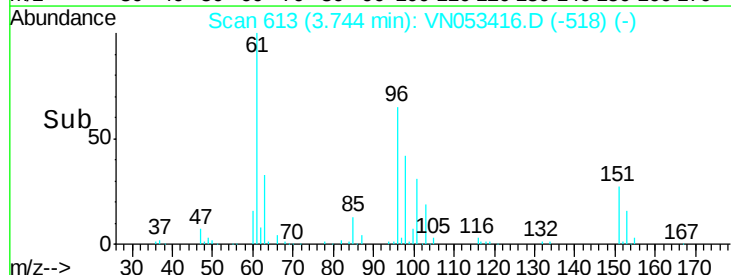
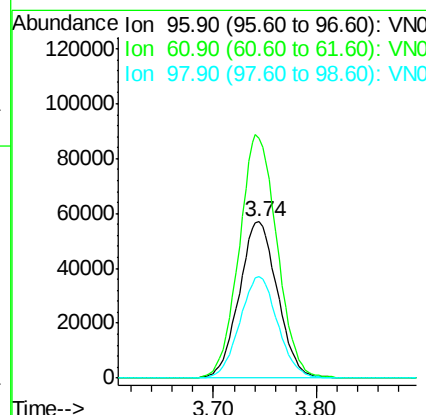
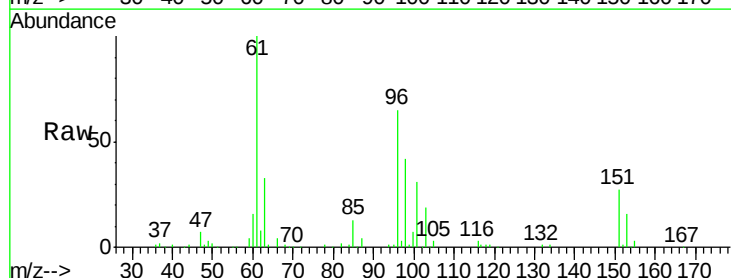
MMDadoda
1/17/2019 9:41:22 AM

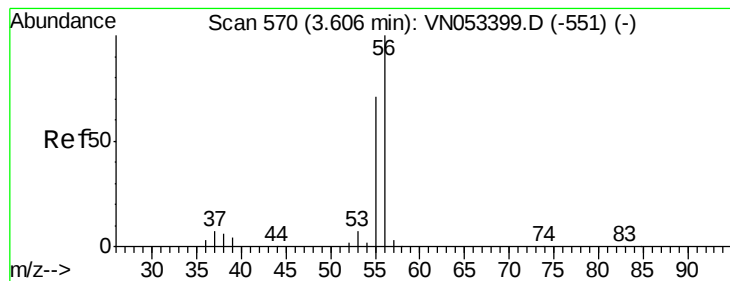


#12

1,1-Dichloroethene
Concen: 20.602 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion	96	61	98	Ratio	100	153.8	65.1	Resp:	146777	Lower	122.9	49.4	Upper	184.3	74.0
Ion	96	61	98	Ratio	100	153.8	65.1	Resp:	146777	Lower	122.9	49.4	Upper	184.3	74.0





#13

Acrolein

Concen: 108.731 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

Tot Ion: 56 Resp: 71440

Ion Ratio Lower Upper

56 100

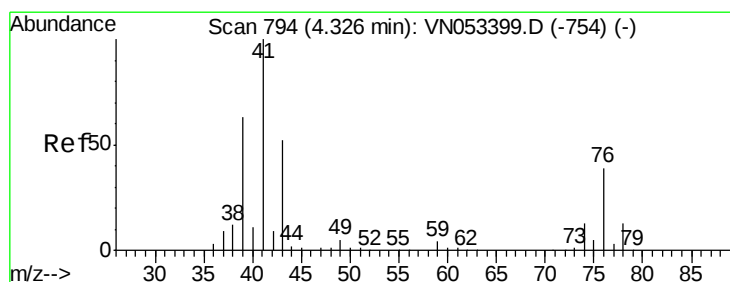
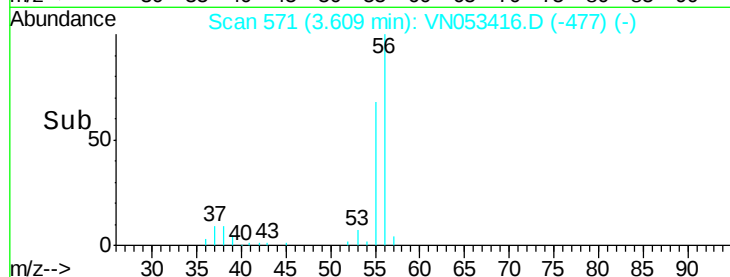
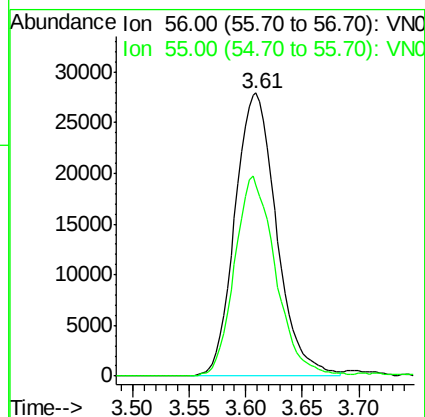
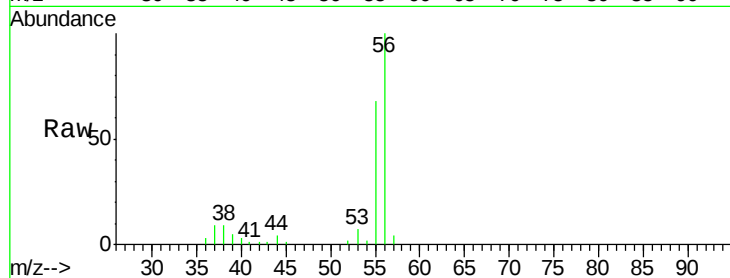
55 69.7 57.4 86.0

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#14

Allyl chloride

Concen: 19.643 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

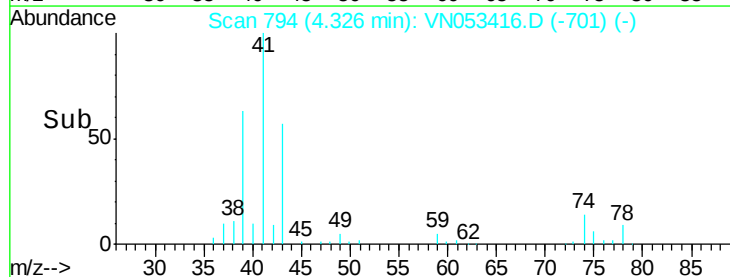
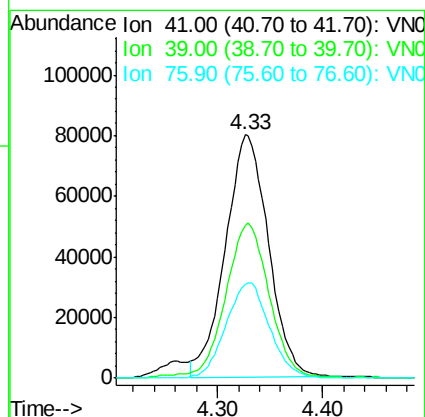
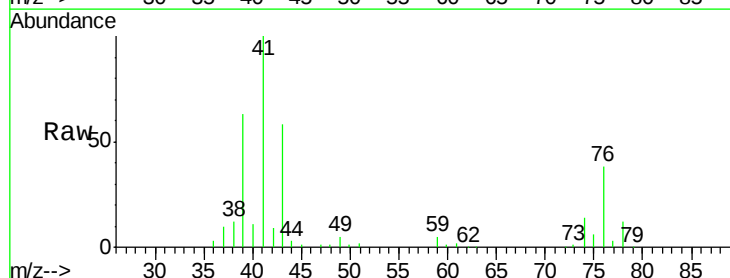
Tgt Ion: 41 Resp: 227312

Ion Ratio Lower Upper

41 100

39 65.2 48.9 73.3

76 39.6 29.4 44.2





#15

Acrylonitrile

Concen: 113.302 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

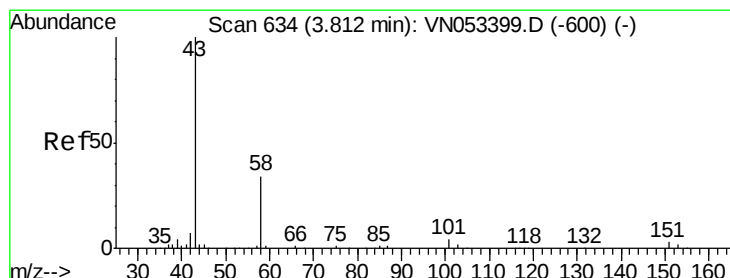
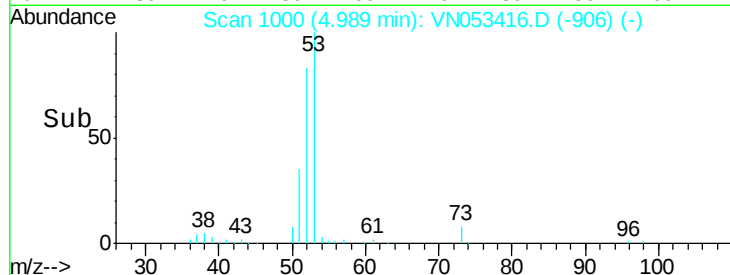
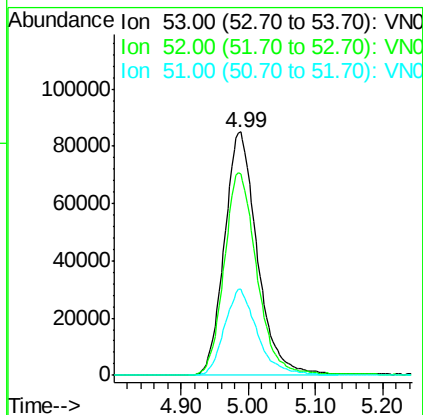
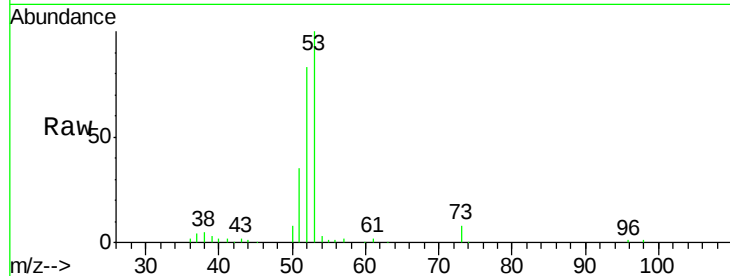
ClientSampleId :

VN0116WBSD01

Tot Ion:	53	Resp:	288584
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.0	99.0
51	35.4	28.3	42.5

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#16

Acetone

Concen: 108.388 ug/l

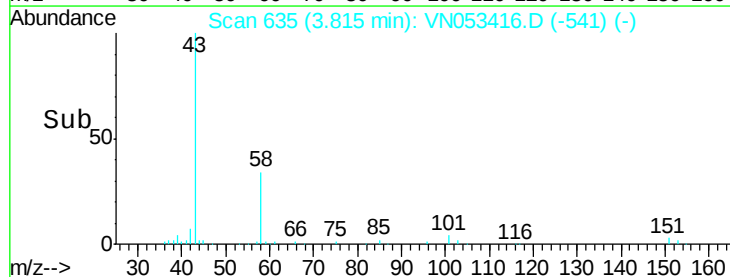
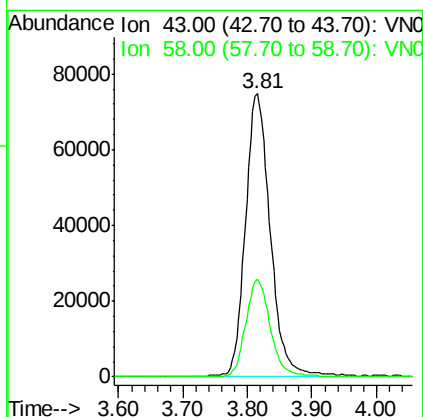
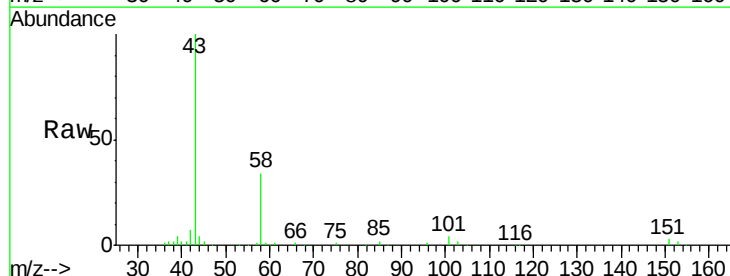
RT: 3.81 min Scan# 635

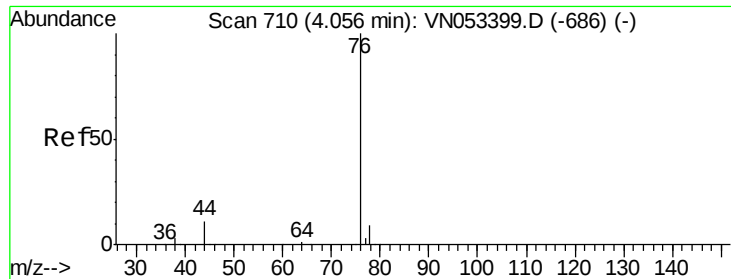
Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Tgt Ion:	43	Resp:	201134
Ion	Ratio	Lower	Upper
43	100		
58	34.4	27.1	40.7





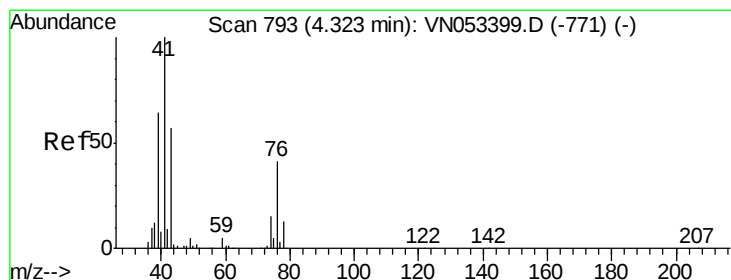
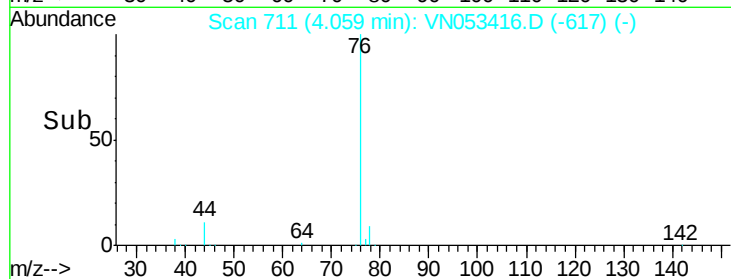
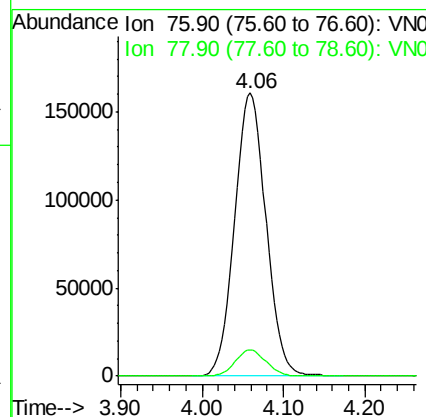
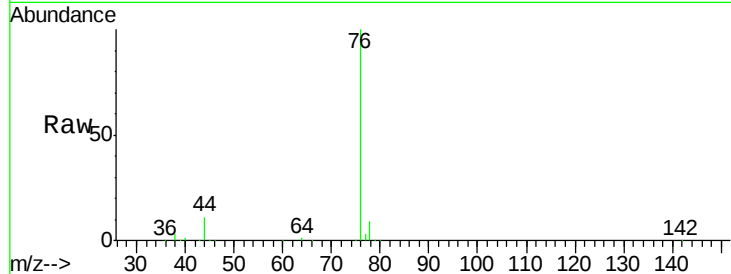
#17
Carbon Disulfide
Concen: 20.055 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

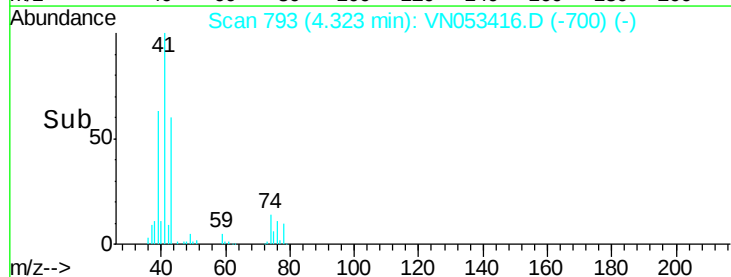
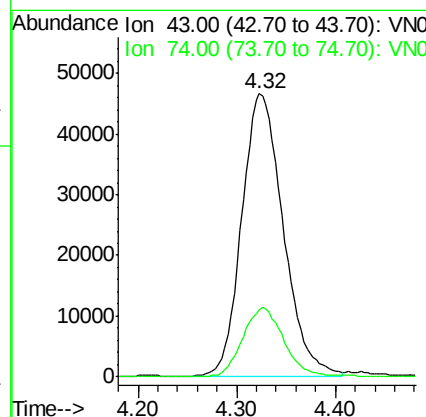
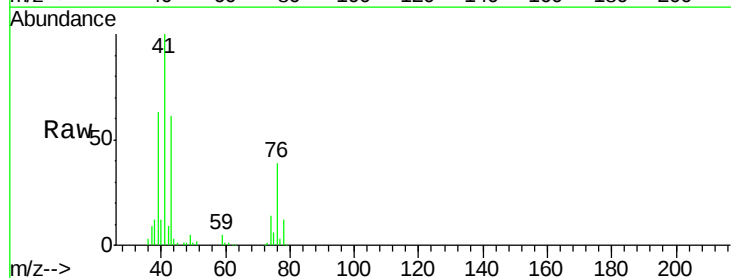
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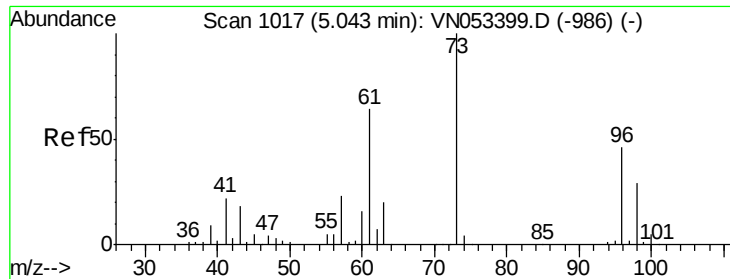
MMDadoda
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#18
Methyl Acetate
Concen: 21.800 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.4	29.2





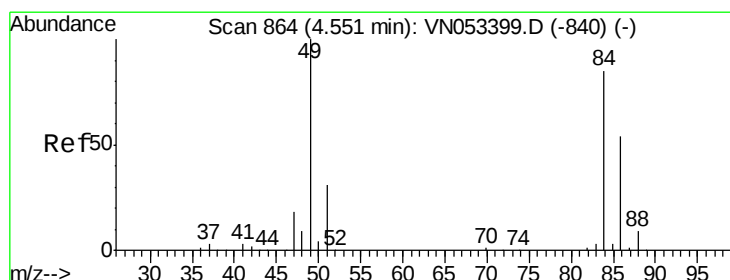
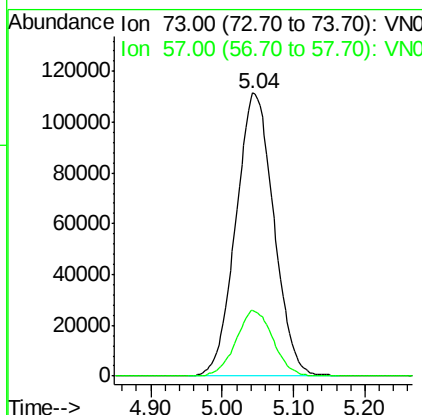
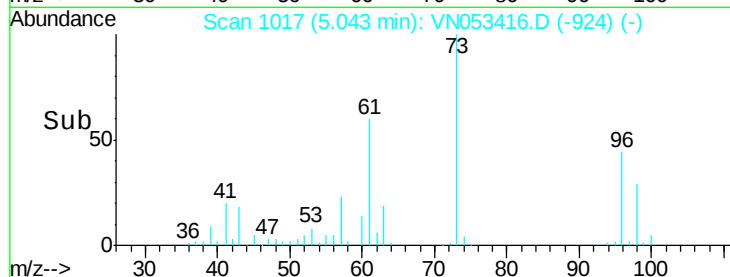
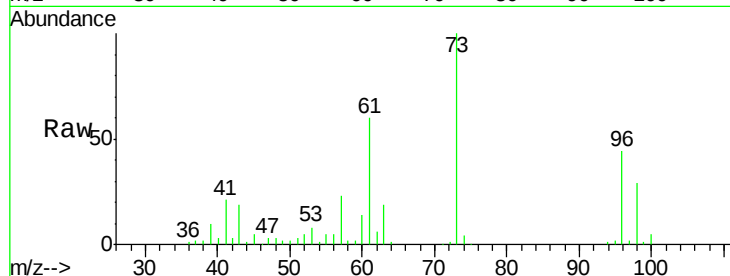
#19
Methyl tert-butyl Ether
Concen: 21.819 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion: 73 Resp: 413035
Ion Ratio Lower Upper
73 100
57 23.4 18.3 27.5

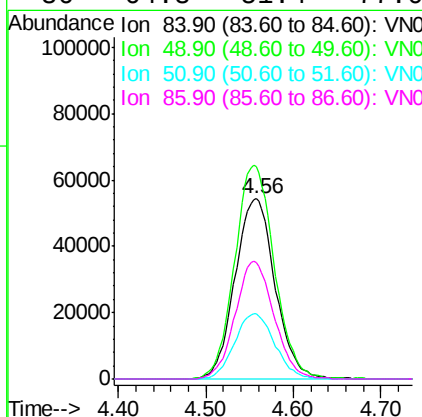
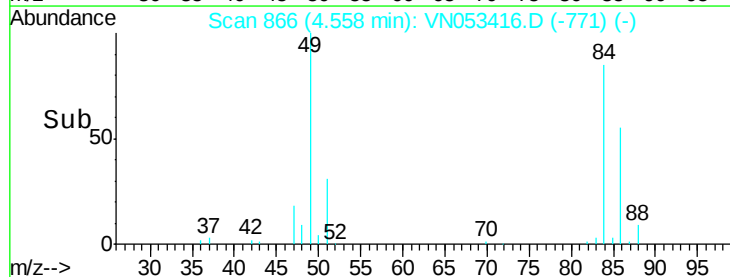
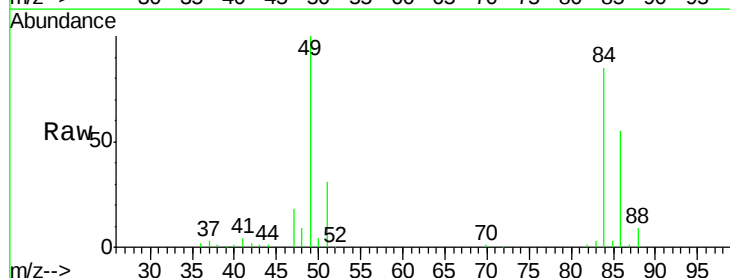
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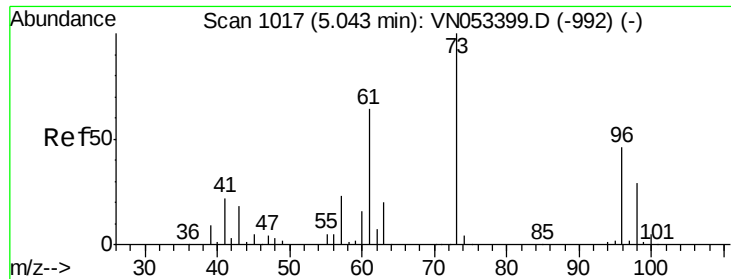
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#20
Methylene Chloride
Concen: 20.389 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion: 84 Resp: 172736
Ion Ratio Lower Upper
84 100
49 117.5 94.3 141.5
51 36.2 29.4 44.2
86 64.8 51.4 77.0





#21

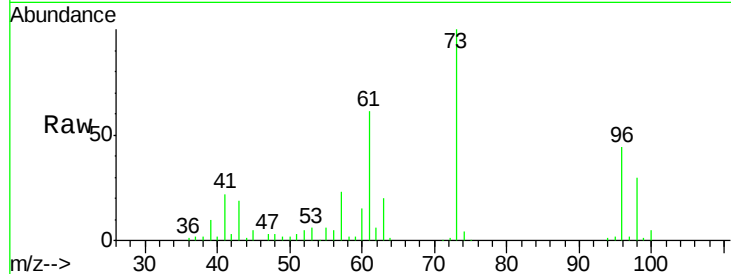
trans-1,2-Dichloroethene
Concen: 20.710 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.4	110.1	165.1
98	67.6	50.0	75.0

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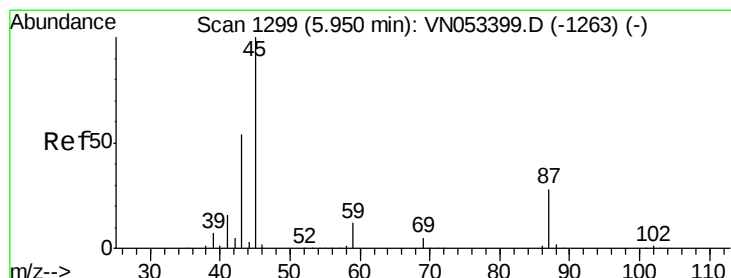
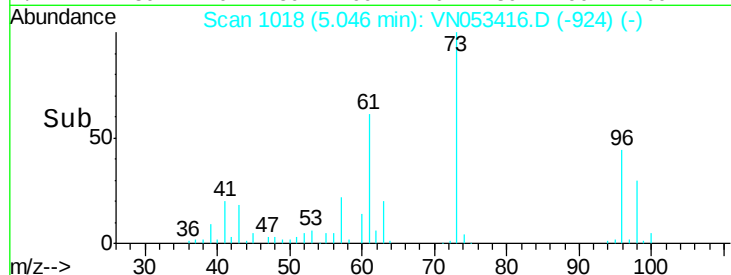
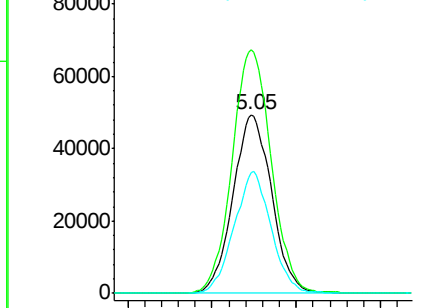


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

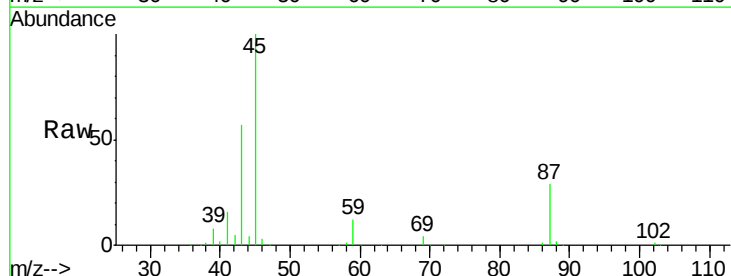
Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether
Concen: 21.337 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.4	44.2	66.4
87	28.5	22.7	34.1
59	11.9	9.4	14.2



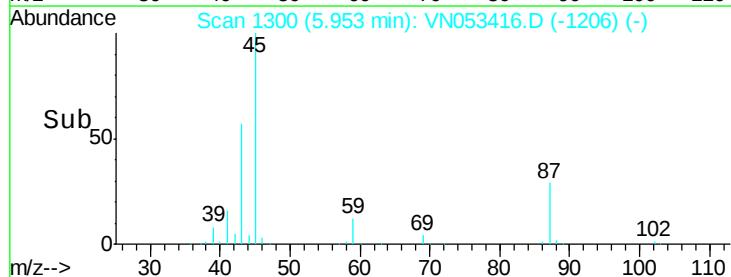
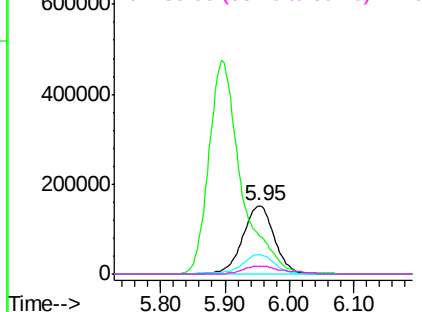
Abundance

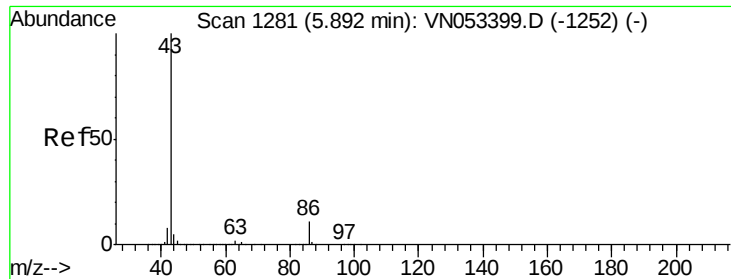
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 110.600 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

Tot Ion: 43 Resp: 1642469

Ion Ratio Lower Upper

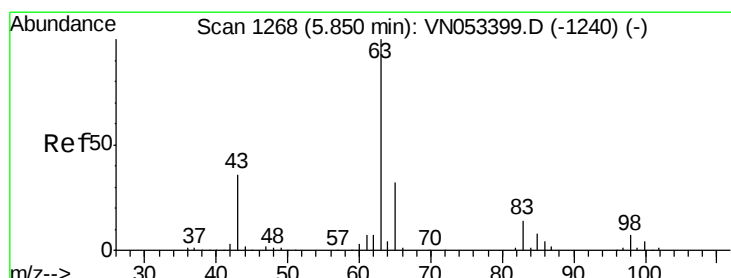
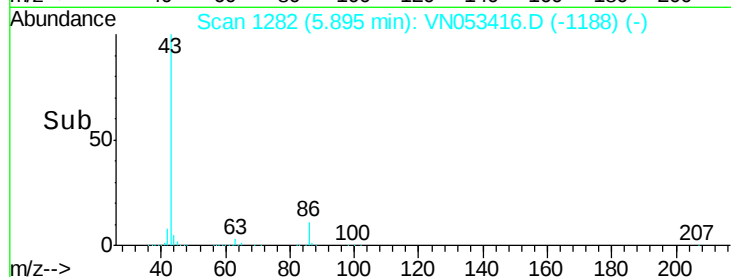
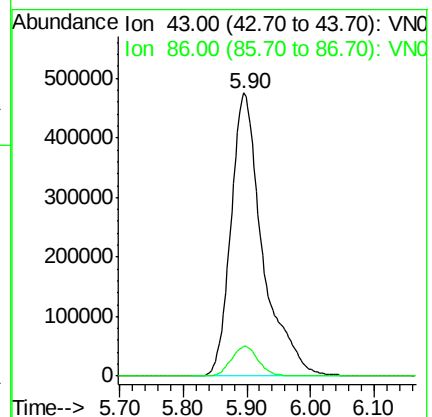
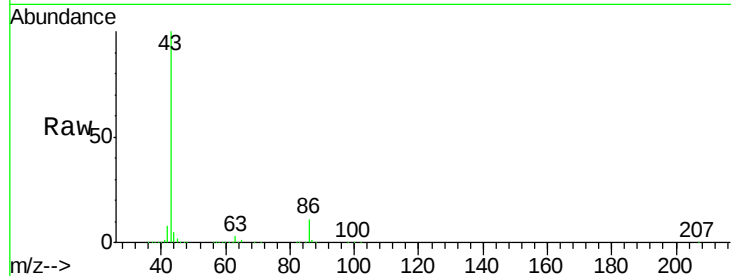
43 100

86 10.5 8.4 12.6

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#24

1,1-Dichloroethane

Concen: 20.786 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

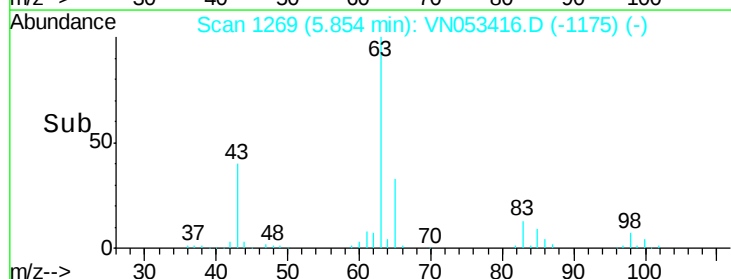
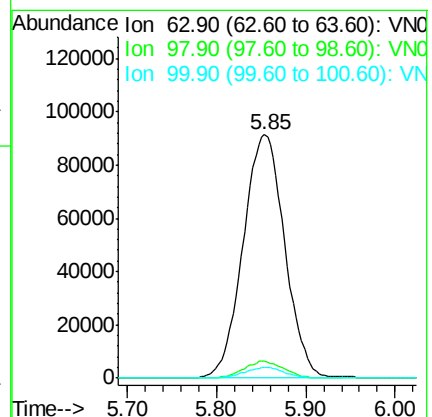
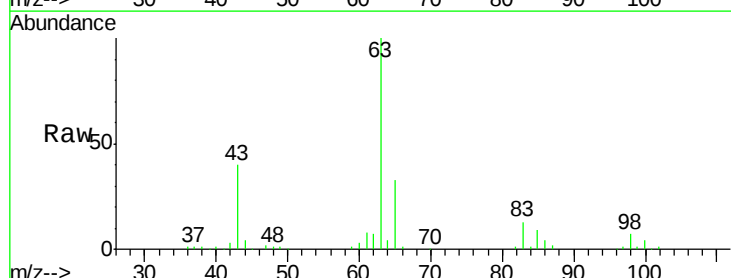
Tgt Ion: 63 Resp: 296854

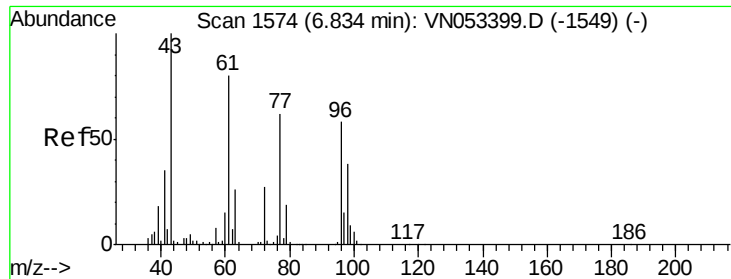
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

100 4.4 2.1 6.5





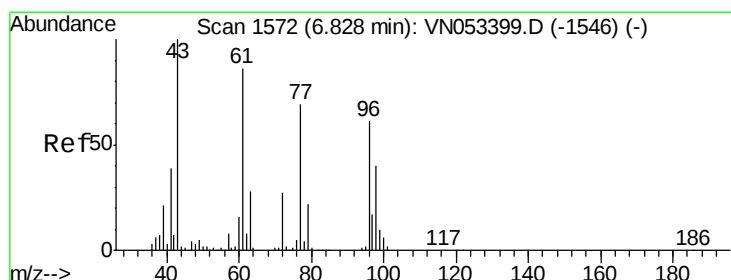
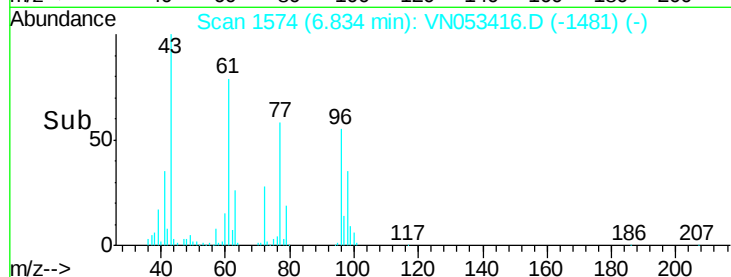
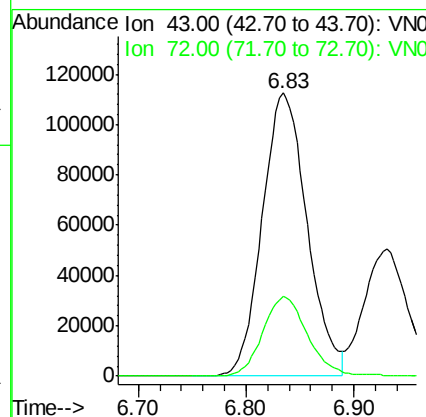
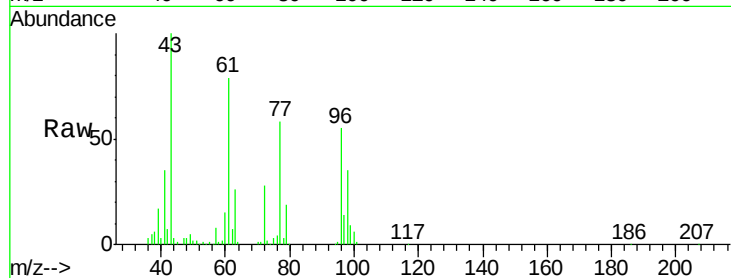
#25
2-Butanone
Concen: 113.608 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion: 43 Resp: 324878
Ion Ratio Lower Upper
43 100
72 28.0 22.0 33.0

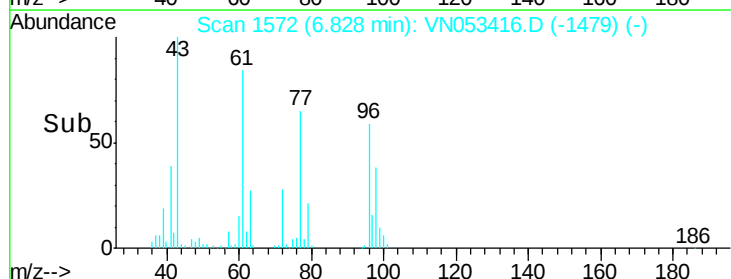
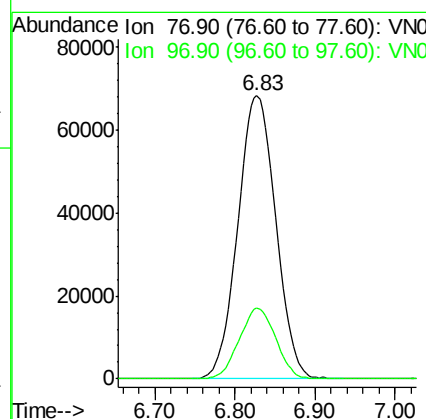
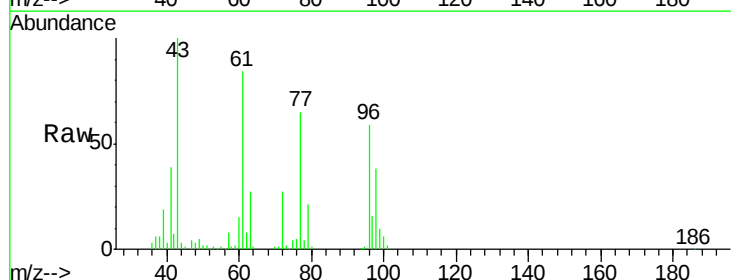
Manual Integrations
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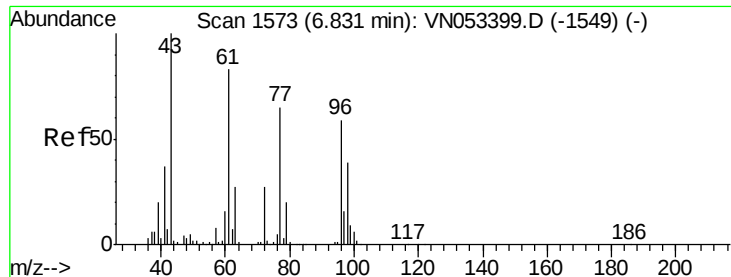
MMDadoda
1/17/2019 9:41:22 AM



#26
2,2-Dichloropropane
Concen: 20.355 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion: 77 Resp: 219482
Ion Ratio Lower Upper
77 100
97 24.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.168 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

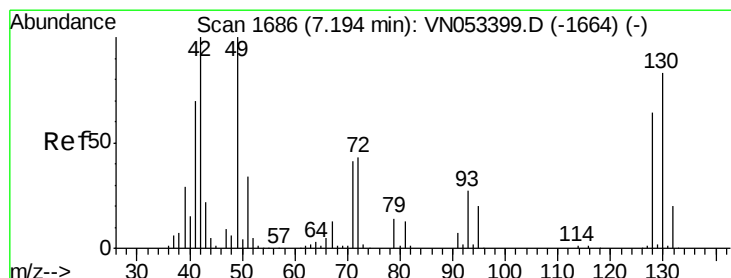
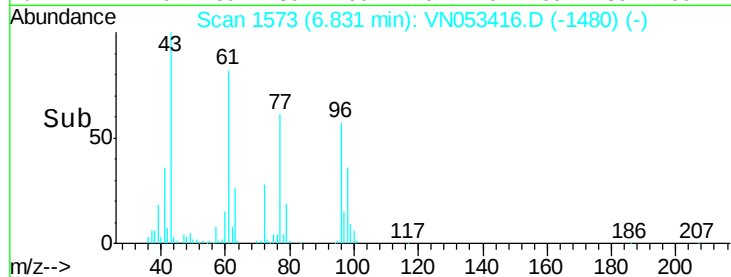
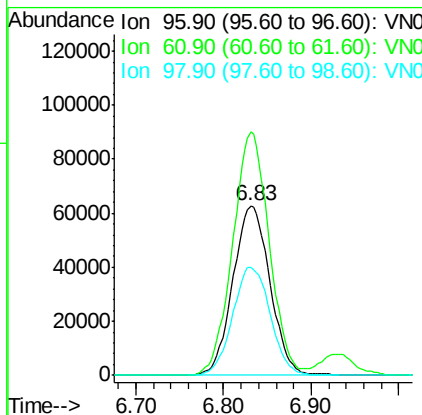
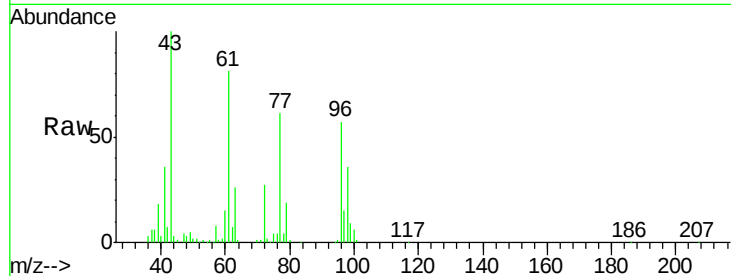
ClientSampleId :

VN0116WBSD01

Tot Ion:	96	Resp:	184370
Ion	Ratio	Lower	Upper
96	100		
61	141.3	0.0	283.8
98	64.7	0.0	129.2

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1/17/2019 9:41:22 AM



#28

Bromochloromethane

Concen: 21.233 ug/l

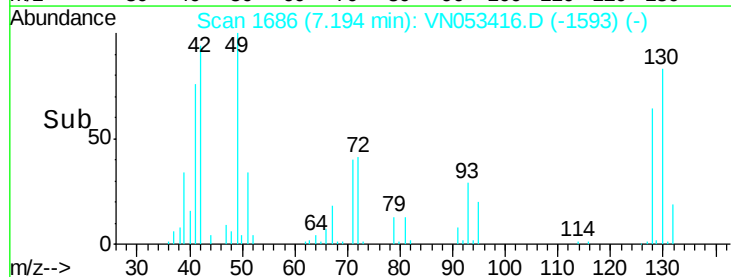
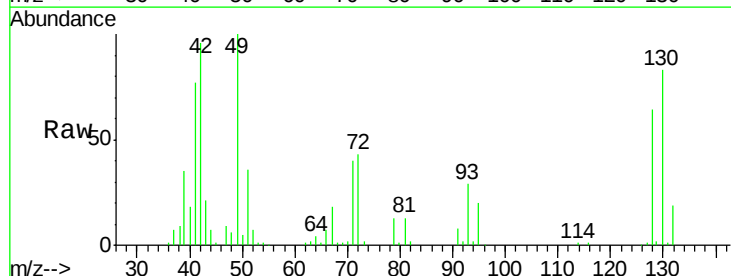
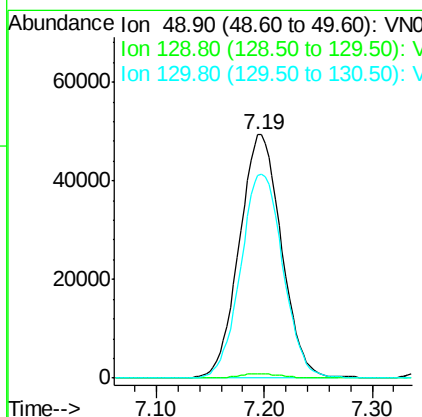
RT: 7.19 min Scan# 1686

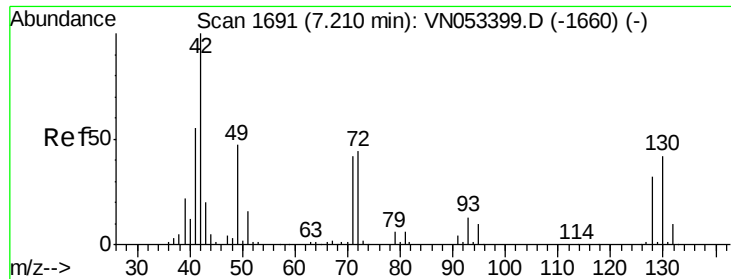
Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Tgt Ion:	49	Resp:	133593
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	4.0
130	84.3	66.3	99.5





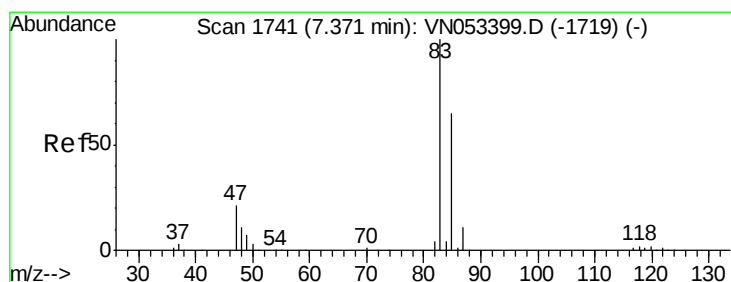
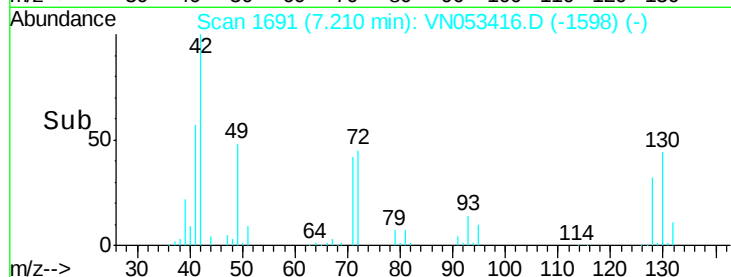
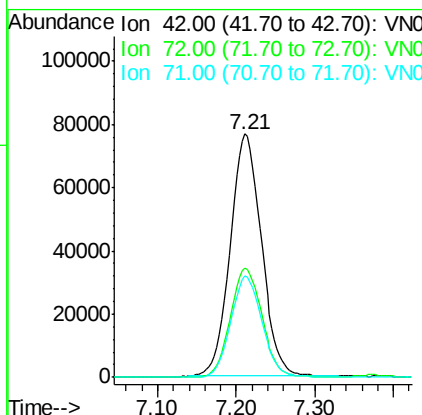
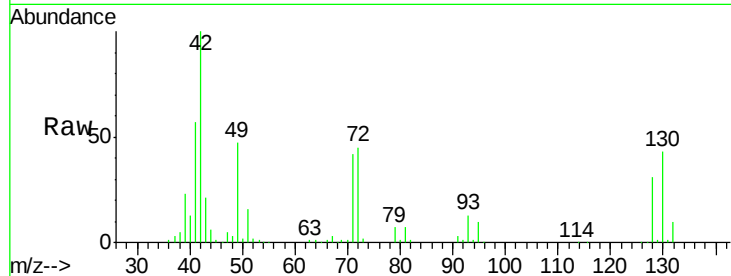
#29
Tetrahydrofuran
Concen: 113.718 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	35.2	52.8
71	42.0	33.0	49.4

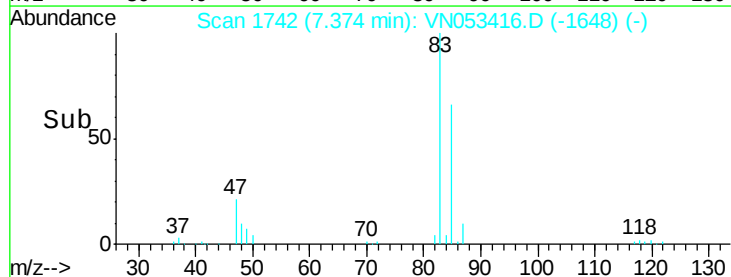
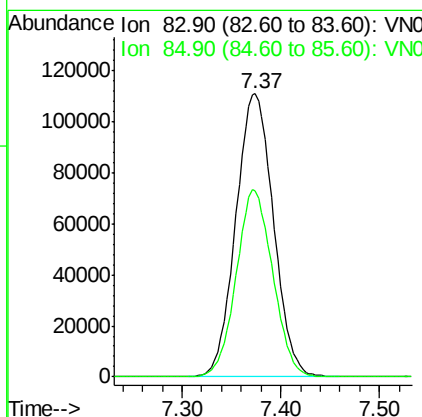
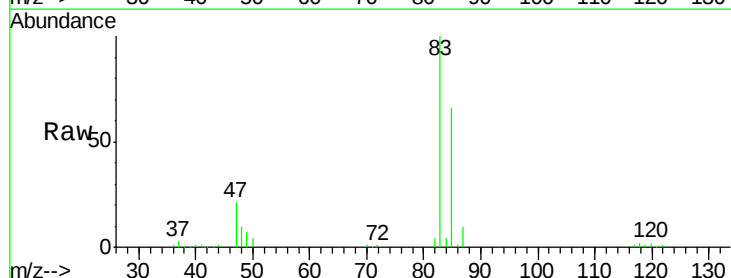
Manual Integrations
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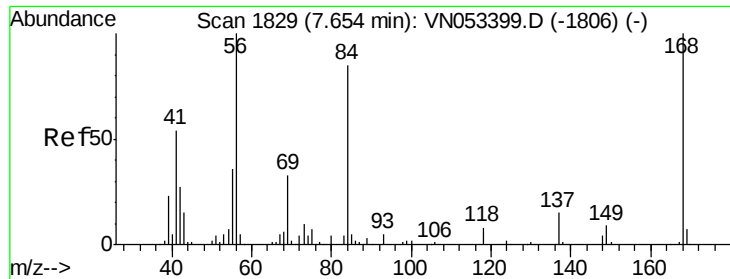
MMDadoda
1/17/2019 9:41:22 AM



#30
Chloroform
Concen: 21.087 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.2	78.2





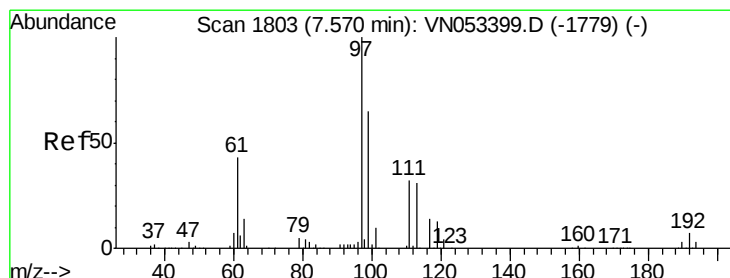
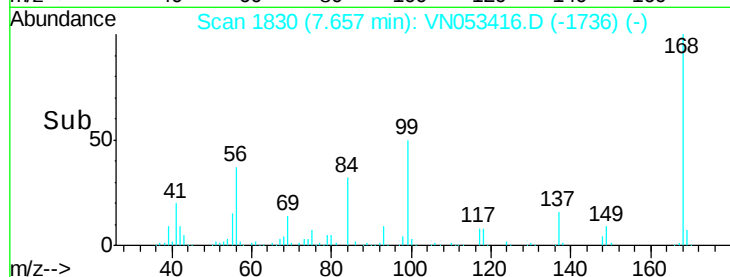
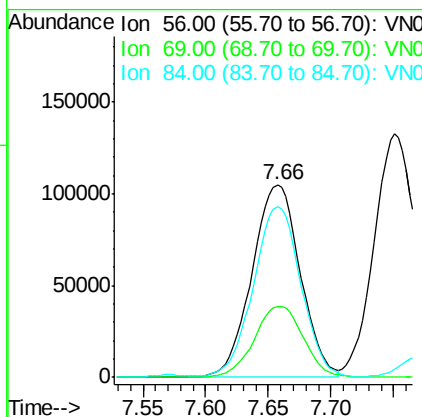
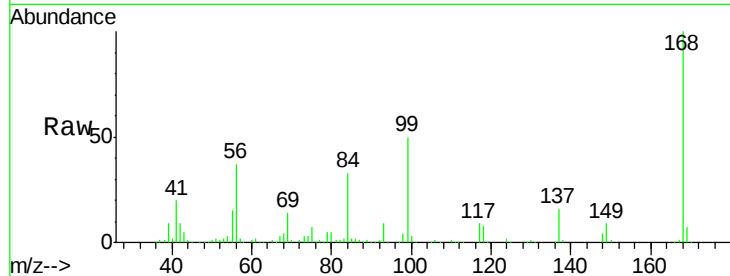
#31
Cyclohexane
Concen: 20.093 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.9	26.4	39.6
84	87.2	67.9	101.9

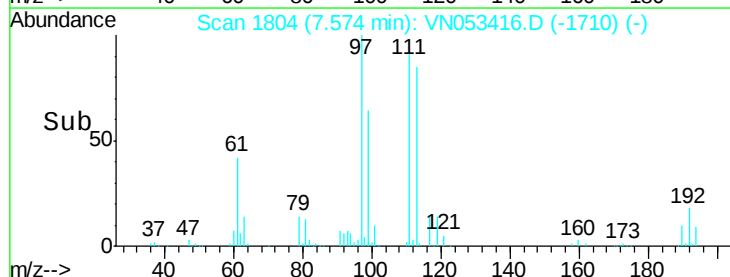
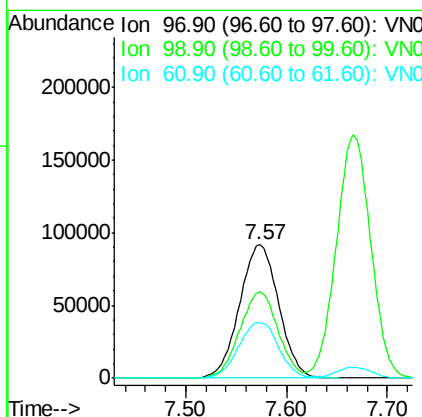
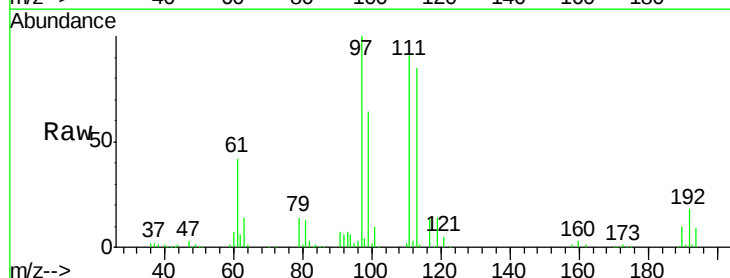
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#32
1,1,1-Trichloroethane
Concen: 20.903 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.0	78.0
61	42.7	34.4	51.6





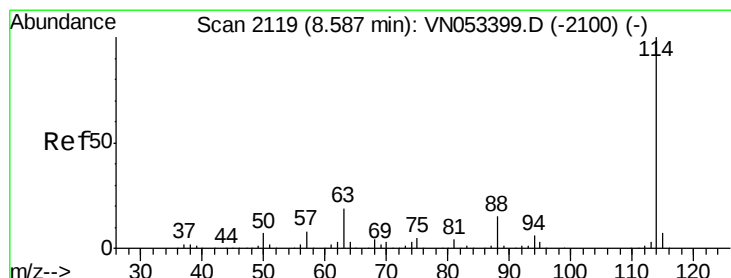
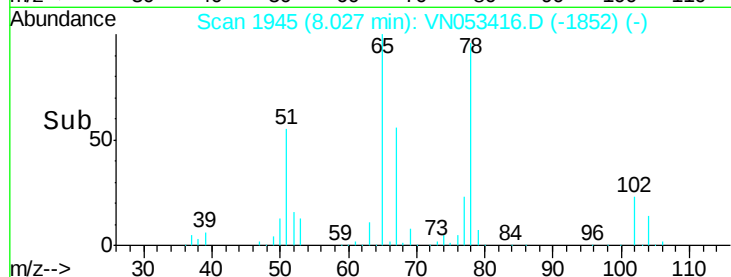
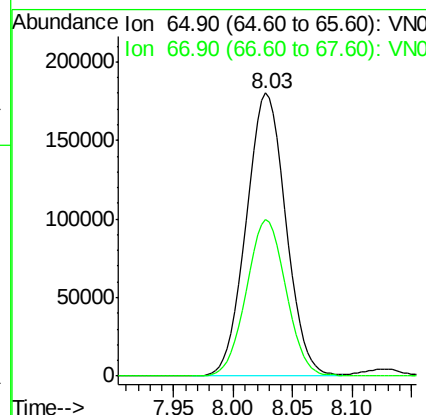
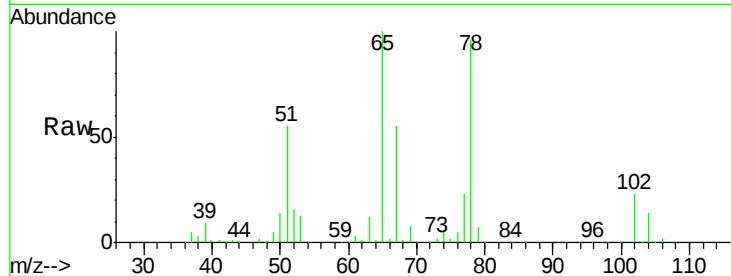
#33
 1,2-Dichloroethane-d4
 Concen: 20.903 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.4	0.0	111.2	

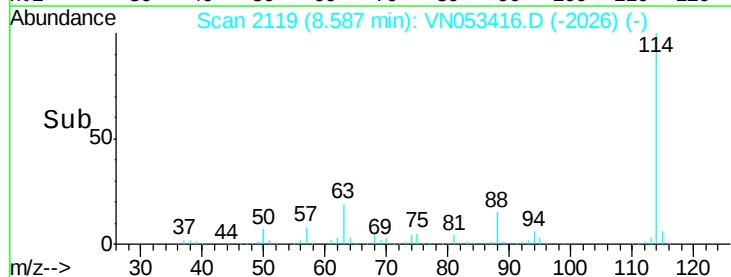
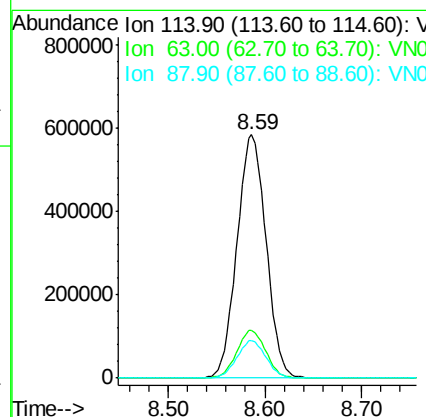
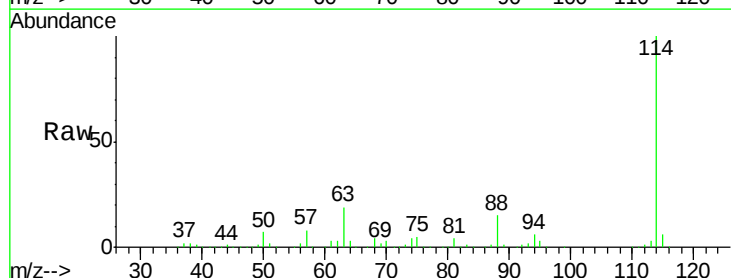
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	38.6	
88	15.4	0.0	30.4	





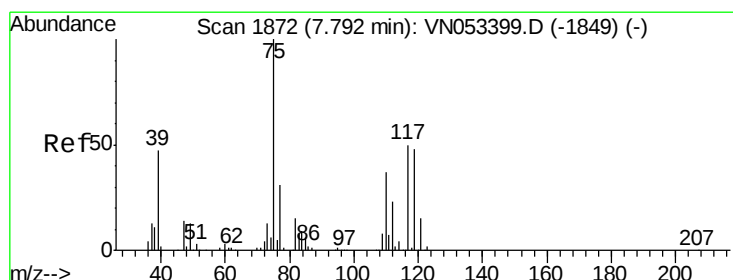
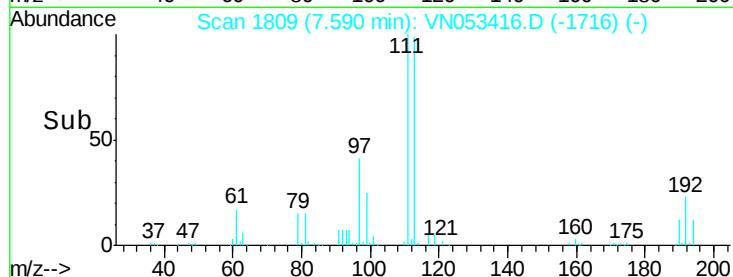
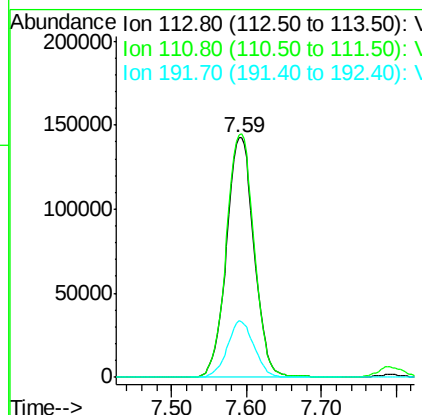
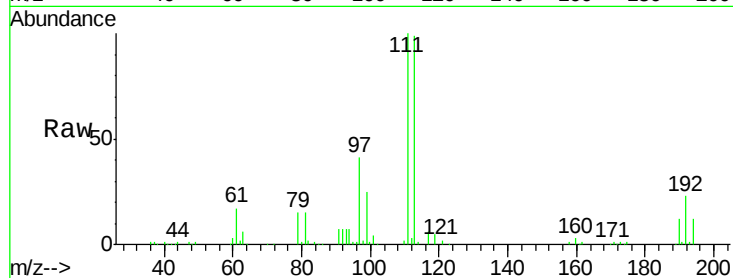
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	364087		
111	102.4	81.1	121.7	
192	22.6	18.2	27.2	

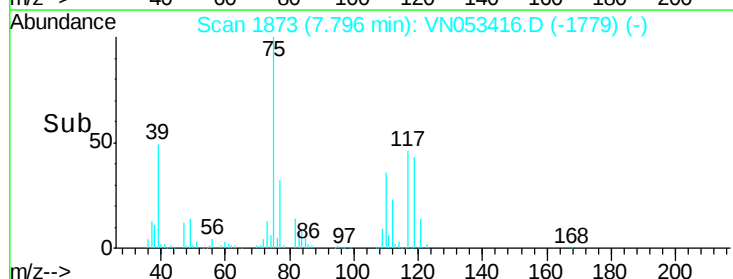
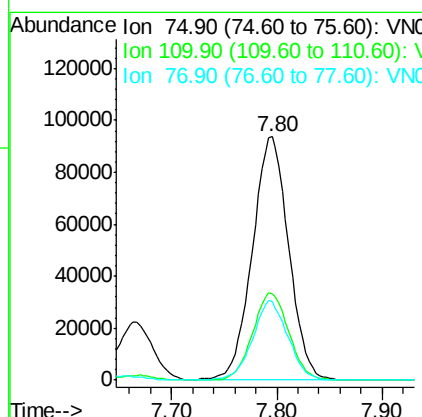
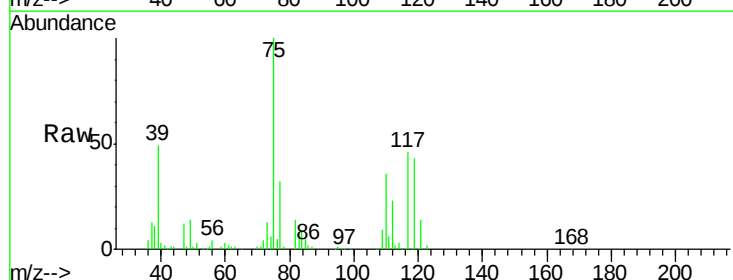
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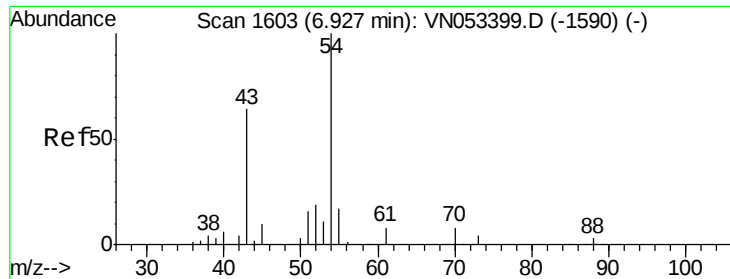
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#36
 1,1-Dichloropropene
 Concen: 20.076 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	223303		
110	35.8	18.1	54.3	
77	31.8	25.1	37.7	





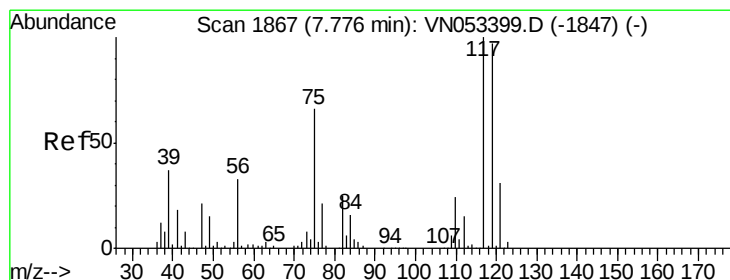
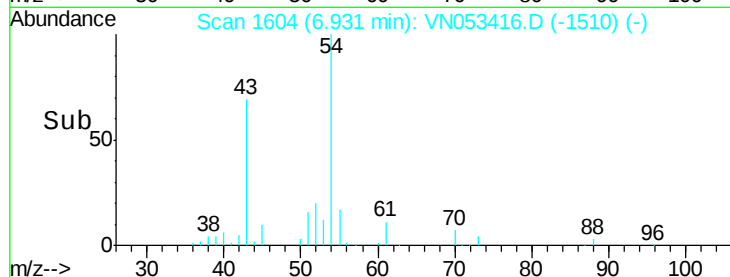
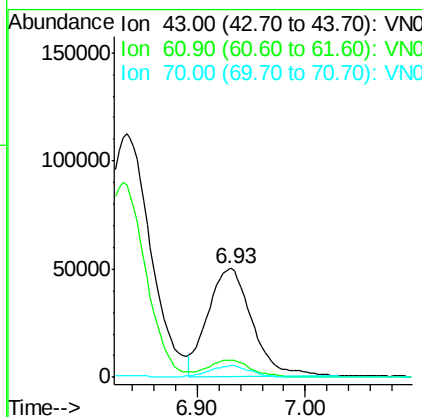
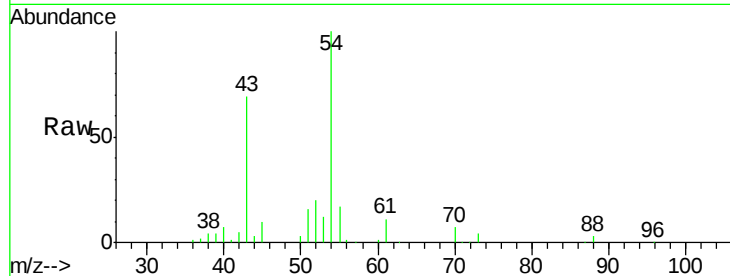
#37
Ethyl Acetate
Concen: 22.156 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.6
70	10.3	8.6	12.8

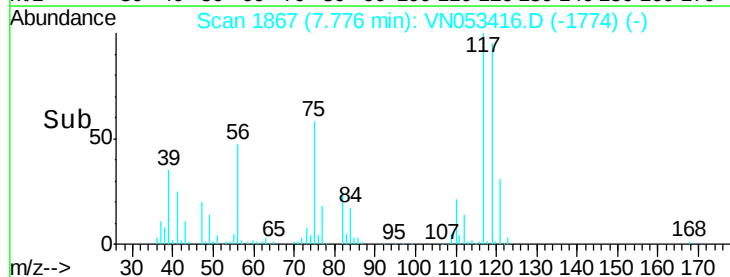
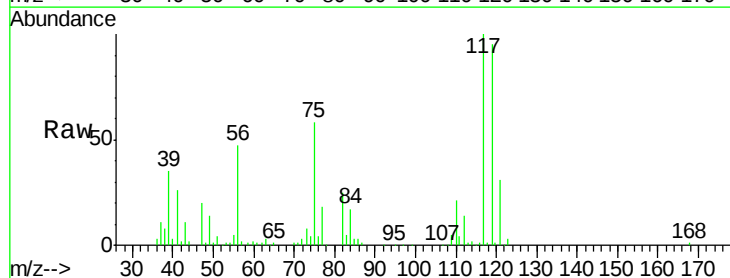
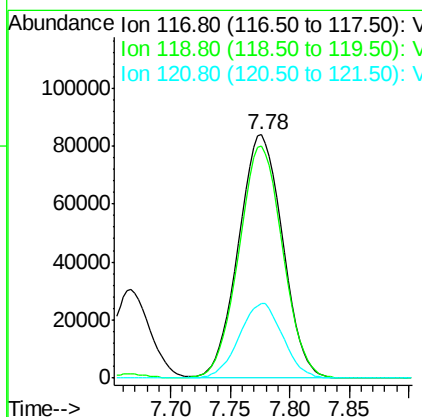
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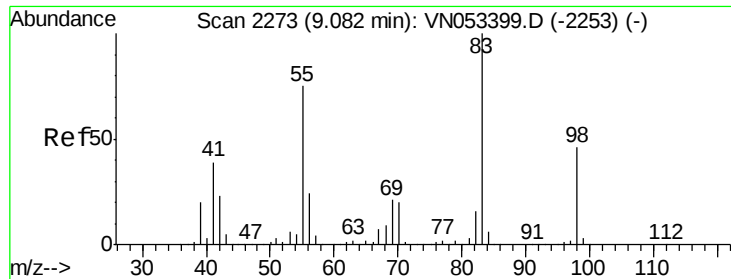
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#38
Carbon Tetrachloride
Concen: 20.403 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.2	115.8
121	30.6	24.6	37.0





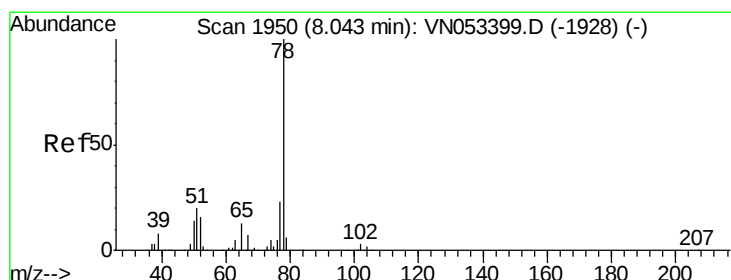
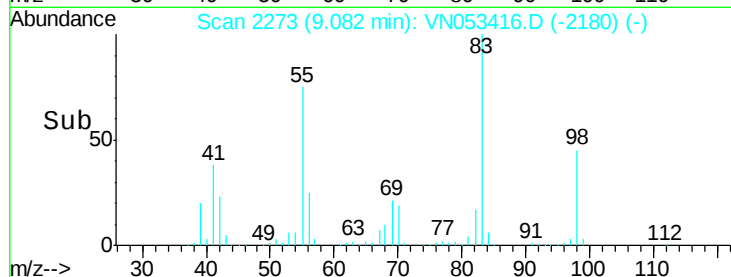
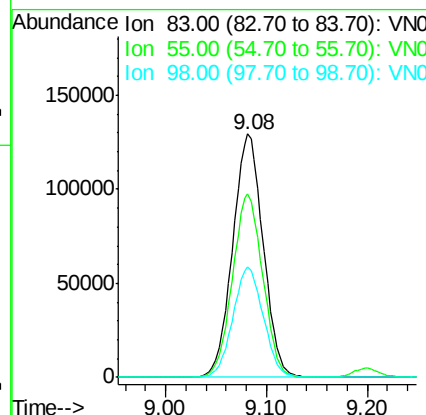
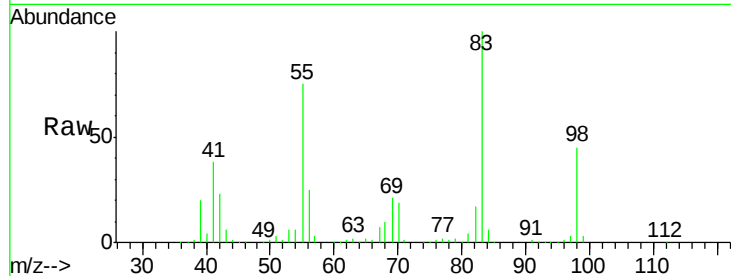
#39
Methvlcvclohexane
Concen: 19.787 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampled :
VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	60.1	90.1
98	45.1	36.6	55.0

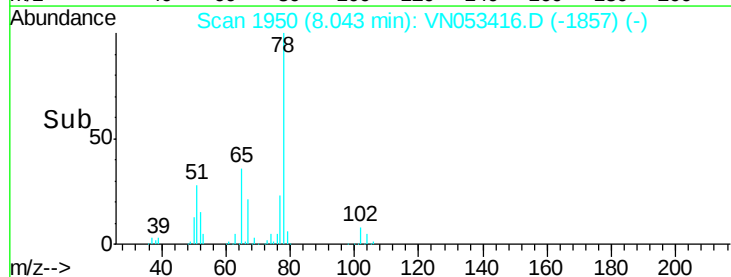
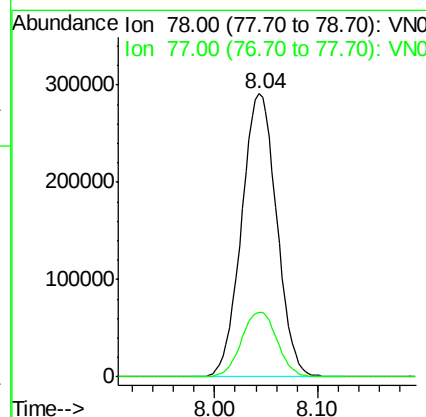
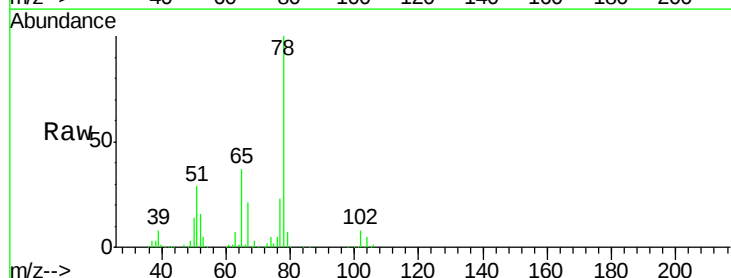
Manual Integrations
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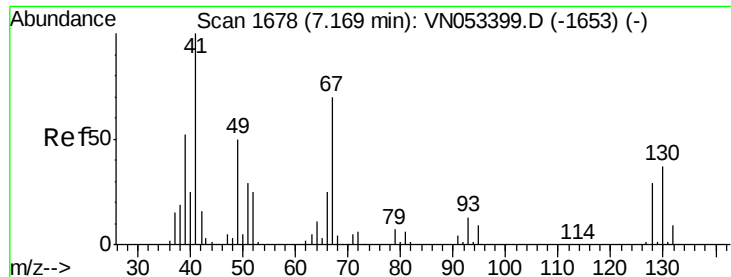
MMDadoda
1/17/2019 9:41:22 AM



#40
Benzene
Concen: 20.392 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.8	28.2





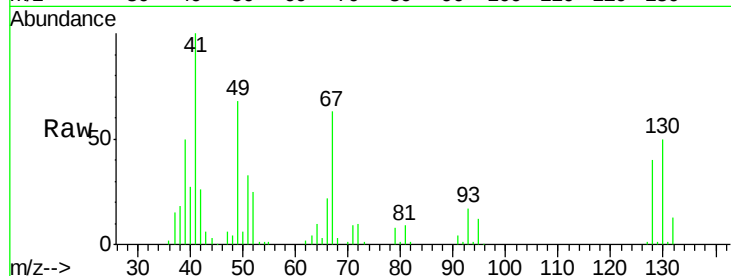
#41
Methacrylonitrile
Concen: 21.990 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

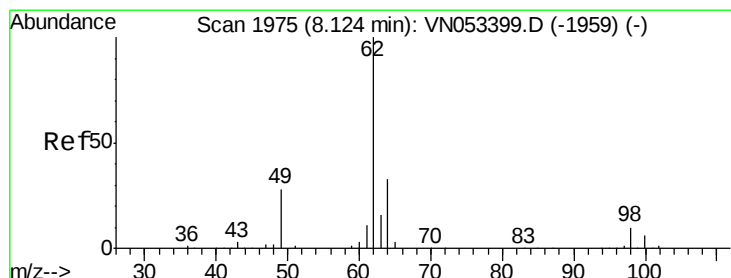
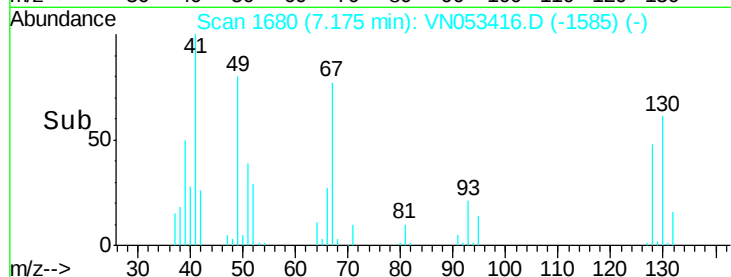
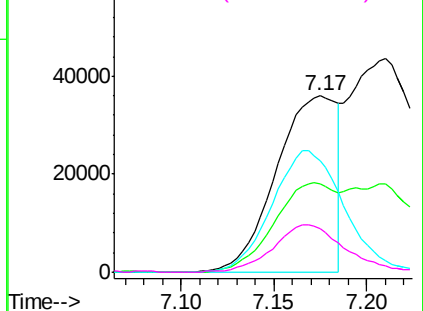
Tot Ion	41	Resp	82178
Ion	Ratio	Lower	Upper
41	100		
39	50.9	46.8	70.2
67	82.1	63.0	94.6
52	32.1	23.8	35.8

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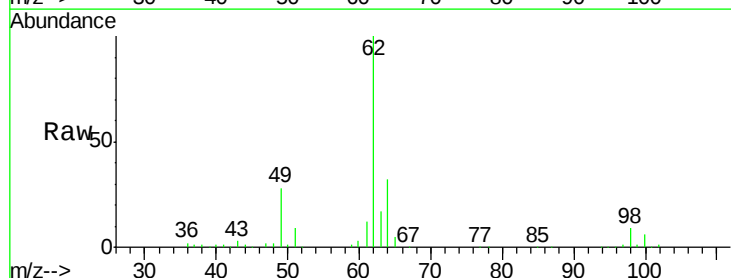


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

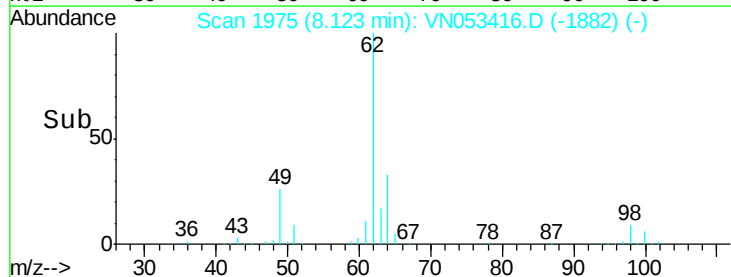
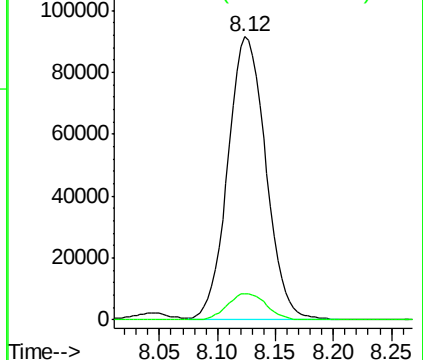


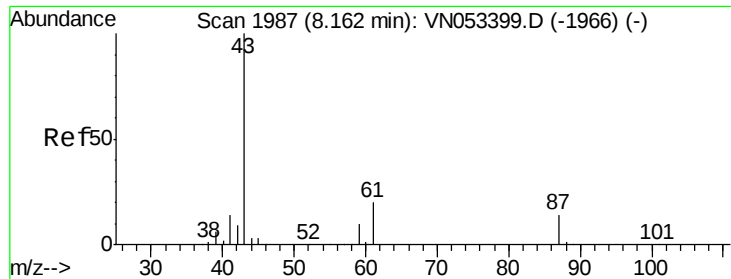
#42
1,2-Dichloroethane
Concen: 21.086 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion	62	Resp	207634
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

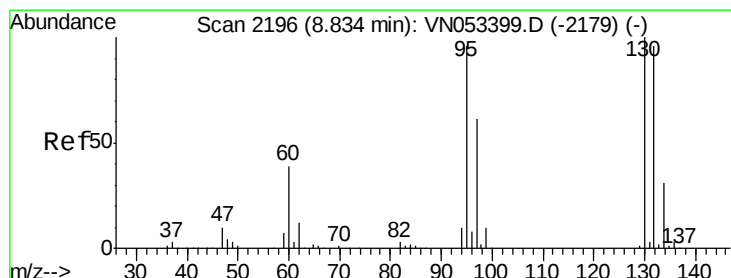
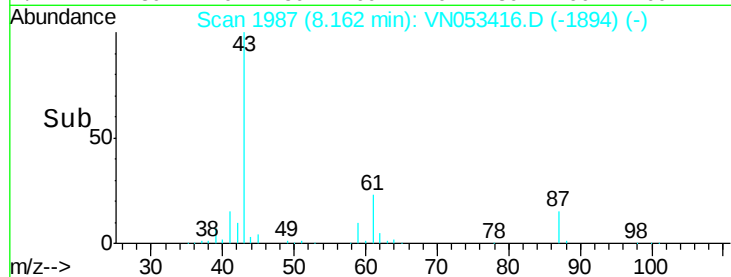
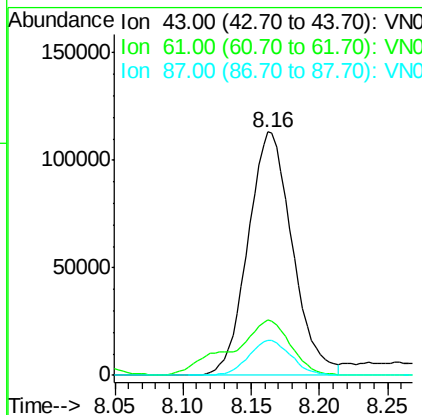
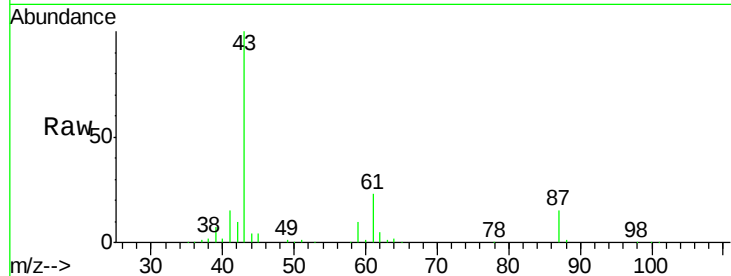
Isopropyl Acetate
 Concen: 22.083 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	23.9	35.9
87	13.8	11.0	16.6

Manual Integrations
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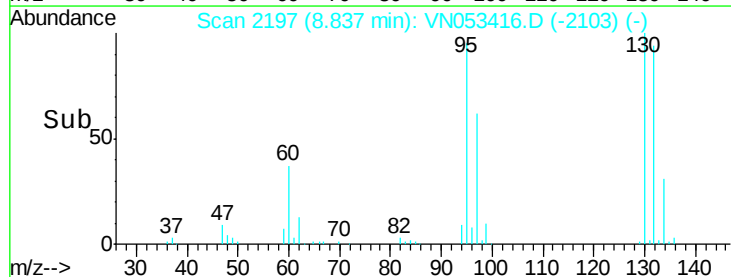
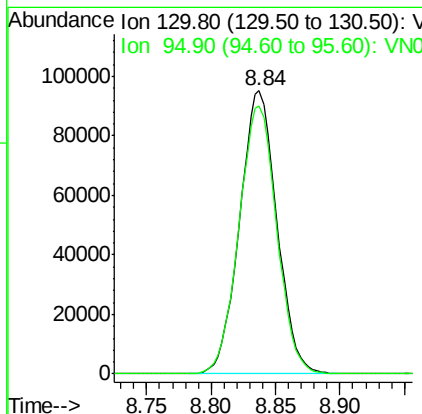
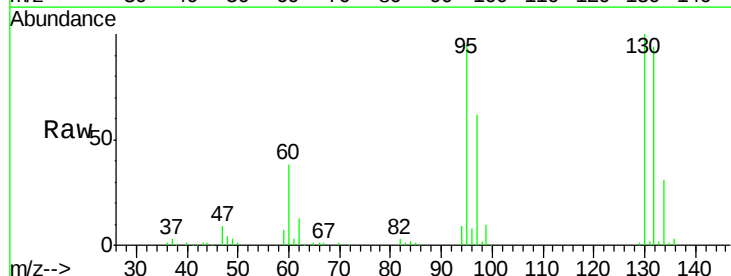
MMDadoda
 1/17/2019 9:41:22 AM

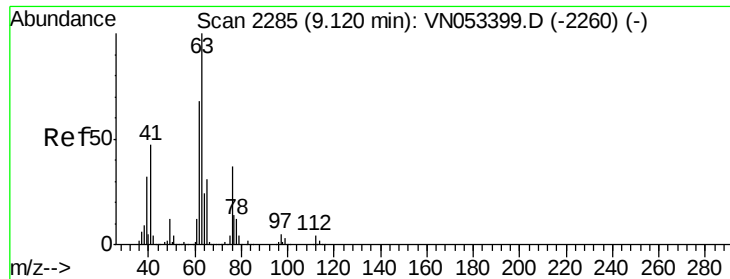


#44

Trichloroethene
 Concen: 20.396 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	191.4





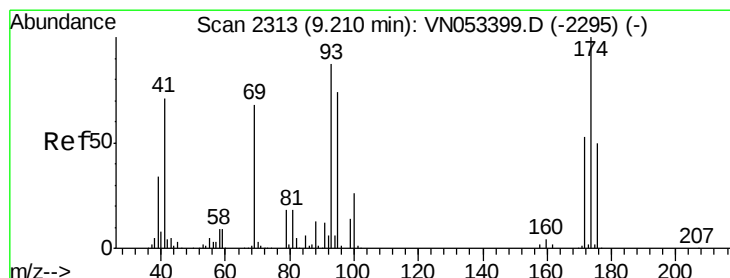
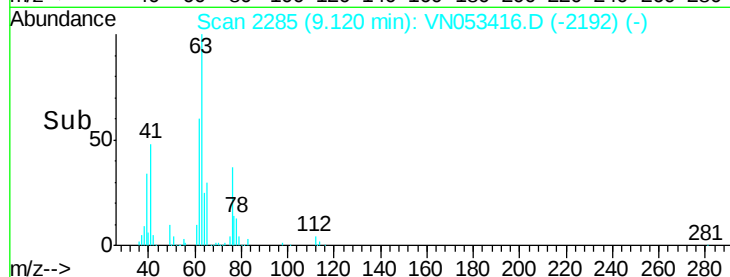
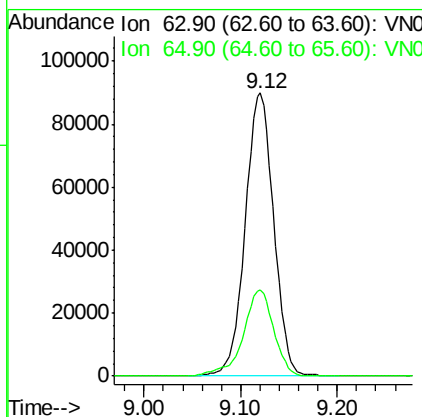
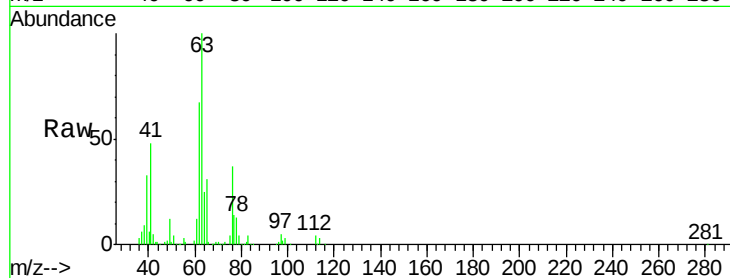
#45
 1,2-Dichloropropane
 Concen: 20.533 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

Tot Ion: 63 Resp: 183828
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.4

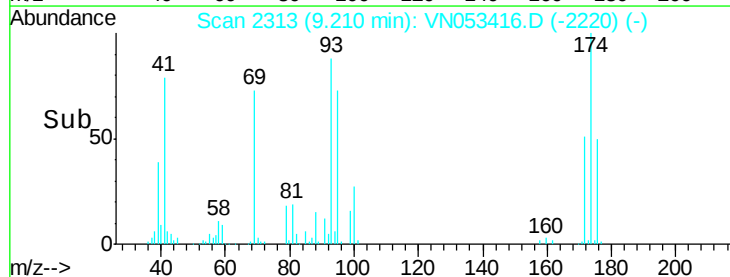
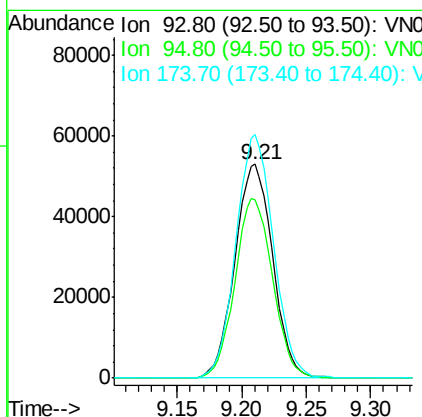
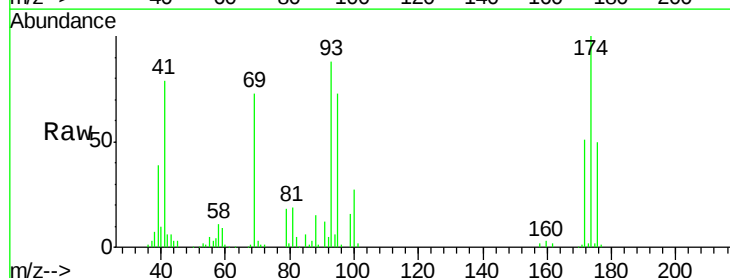
Manual Integrations
 APPROVED

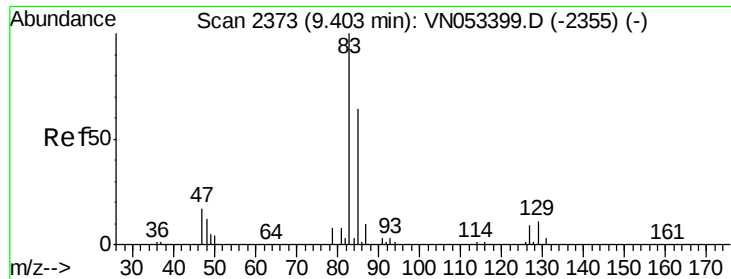
MMDadoda
 1/17/2019 9:41:22 AM



#46
 Dibromomethane
 Concen: 21.100 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Tgt Ion: 93 Resp: 108532
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.3 100.9
 174 112.9 91.0 136.4





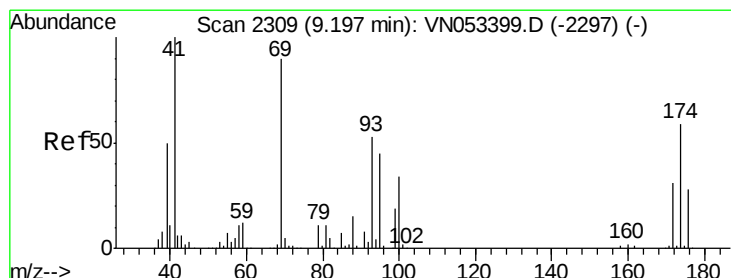
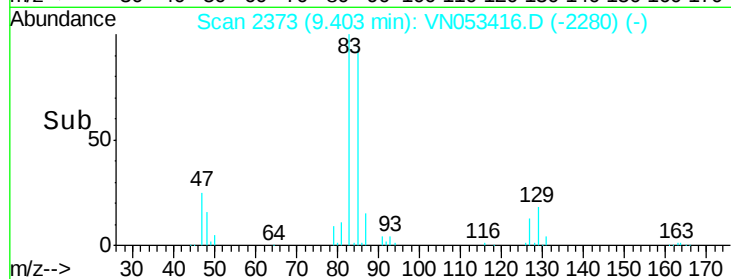
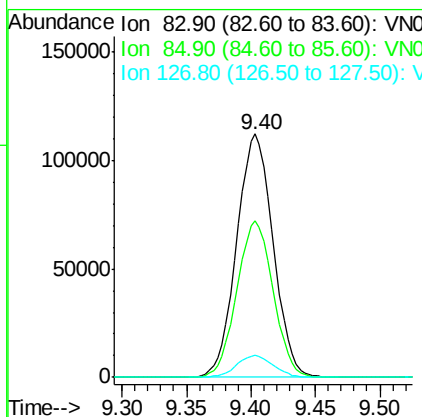
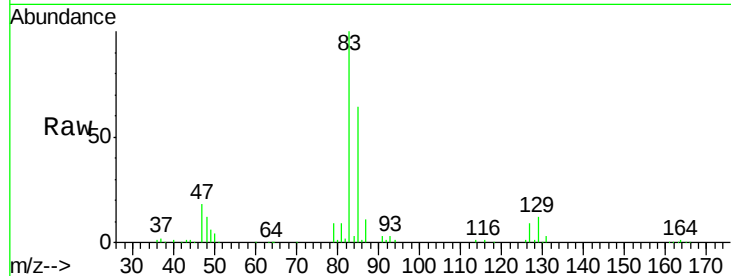
#47
Bromodichloromethane
Concen: 20.422 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	220912		
85	64.4	51.0	76.6	
127	9.0	7.0	10.6	

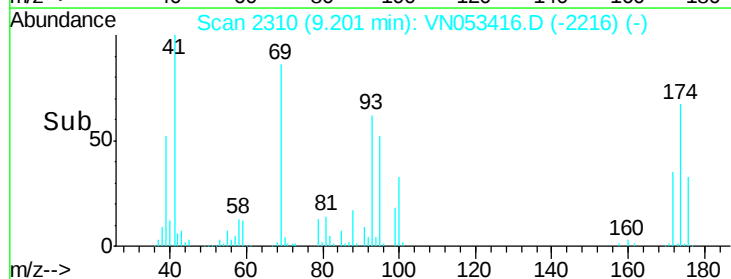
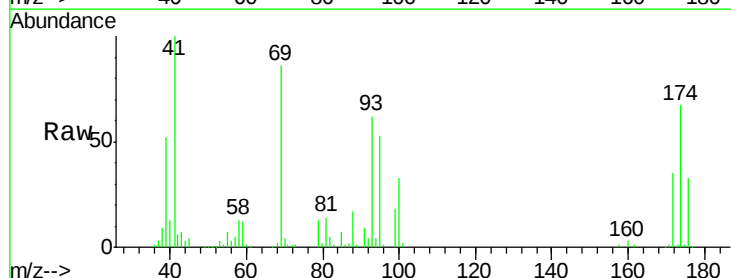
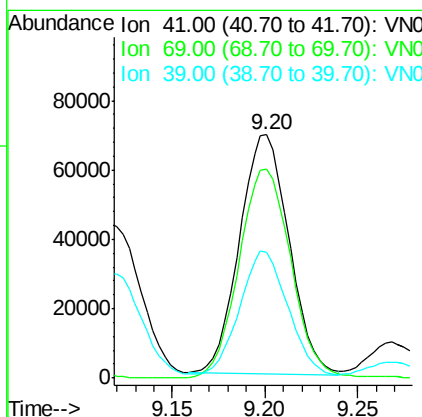
Manual Integrations
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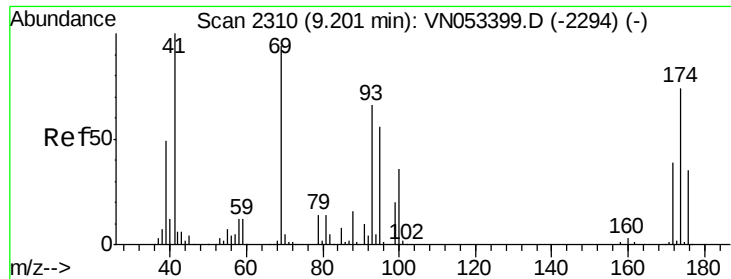
MMDadoda
1/17/2019 9:41:22 AM



#48
Methyl methacrylate
Concen: 21.516 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	127831		
69	92.5	73.8	110.6	
39	52.8	40.0	60.0	





#49

1,4-Dioxane

Concen: 456.657 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

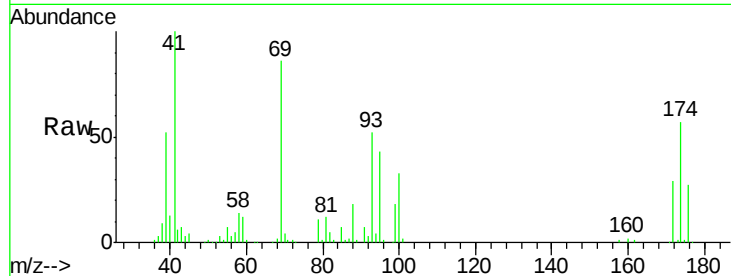
ClientSampleId :

VN0116WBSD01

Tot Ion:	88	Resp:	26497
Ion	Ratio	Lower	Upper
88	100		
43	34.9	27.8	41.6
58	73.8	56.5	84.7

Manual Integrations
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MMDadoda
1/17/2019 9:41:22 AM

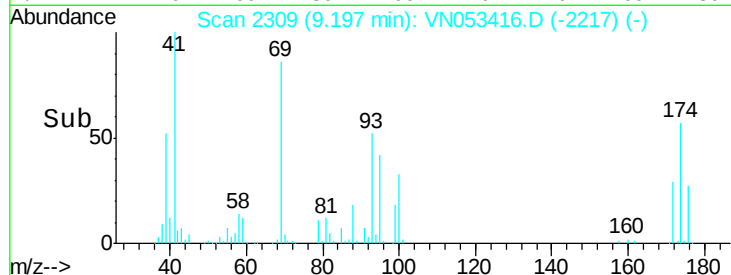


Abundance Ion 88.00 (87.70 to 88.70): VN053399.D (-2294) (-)

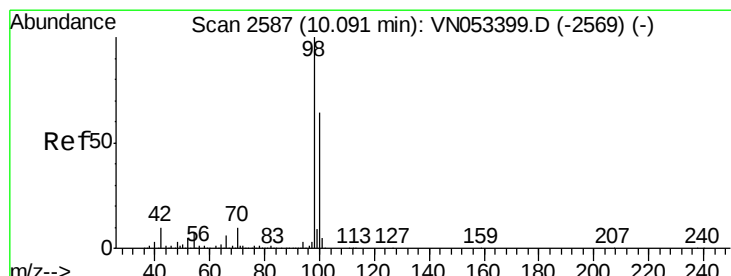
Ion 43.00 (42.70 to 43.70): VN053399.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-2294) (-)

Time-->



Time-->



#50

Toluene-d8

Concen: 456.657 ug/l

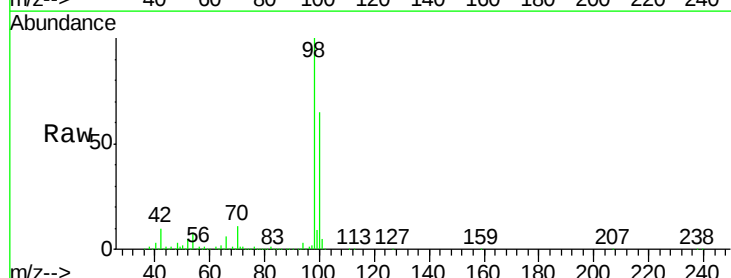
RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

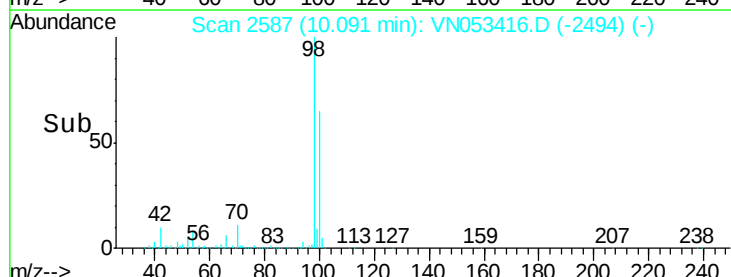
Tgt Ion:	98	Resp:	1501650
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.0



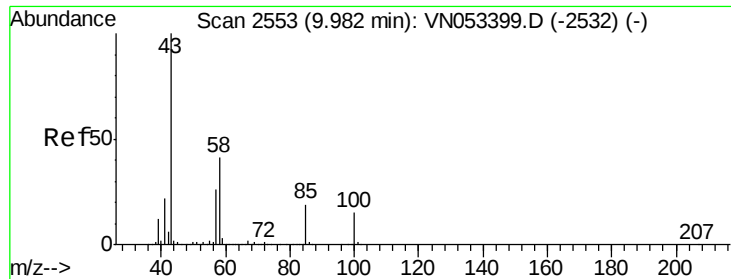
Abundance Ion 98.00 (97.70 to 98.70): VN053399.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN053399.D (-2569) (-)

Time-->



Time-->



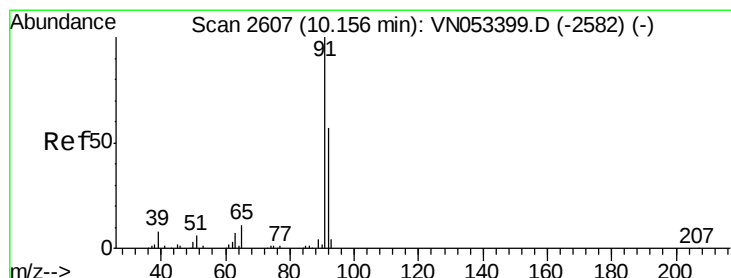
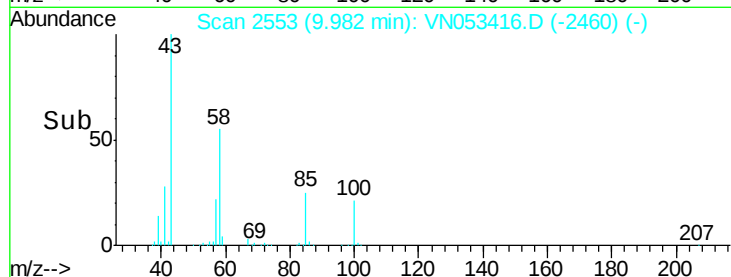
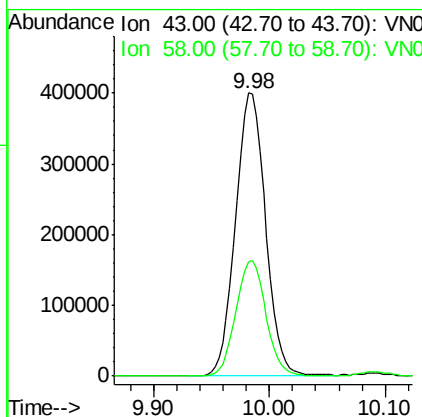
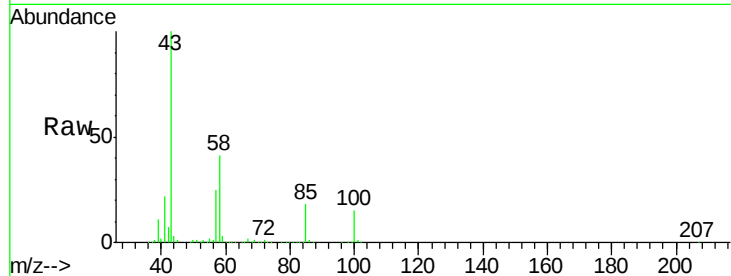
#51
 4-Methyl-2-Pentanone
 Concen: 114.554 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.9	32.8	49.2

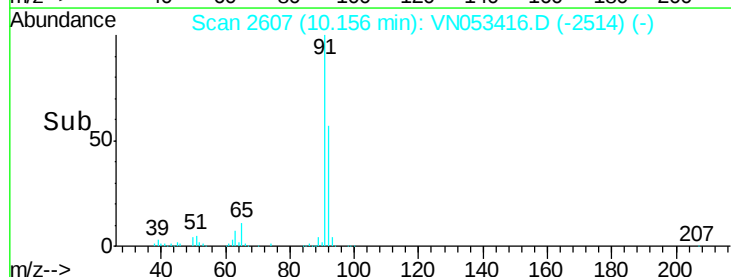
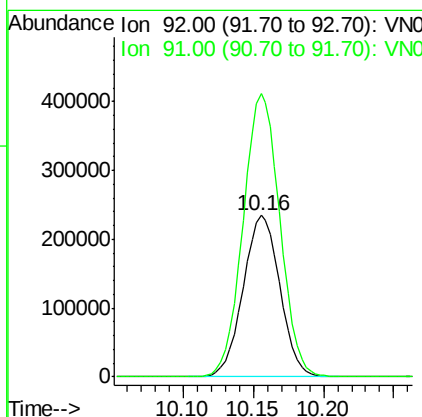
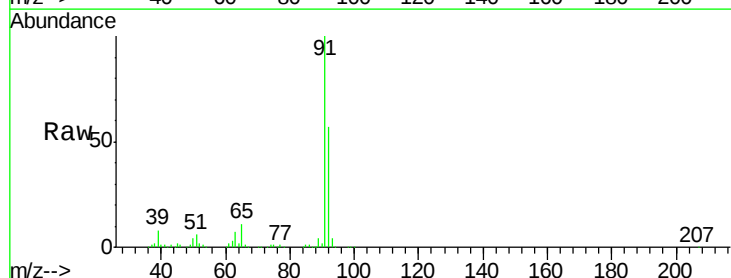
Manual Integrations
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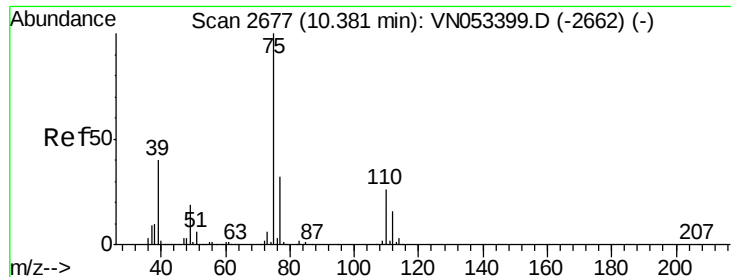
MMDadoda
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#52
 Toluene
 Concen: 20.356 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.8	139.9	209.9





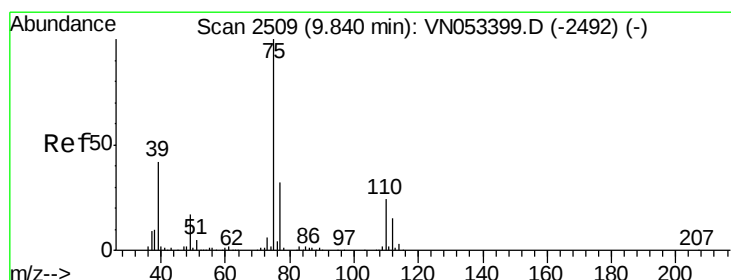
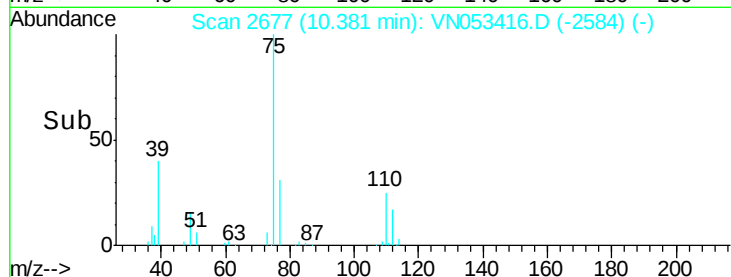
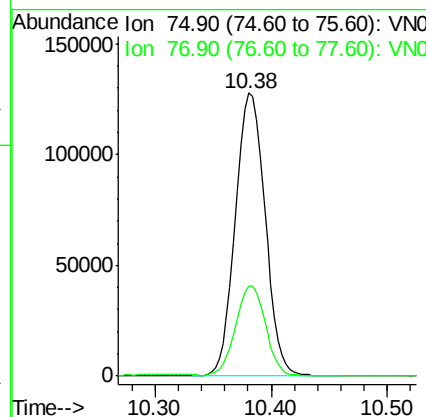
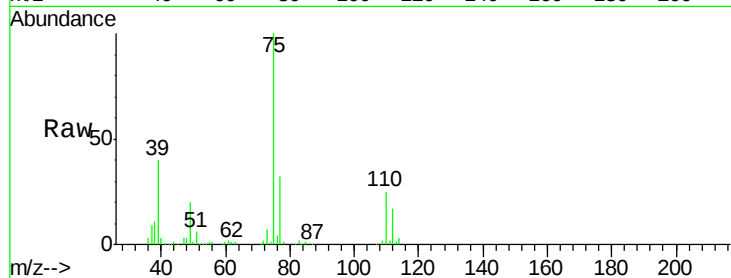
#53
t-1,3-Dichloropropene
Concen: 20.766 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.5	38.3

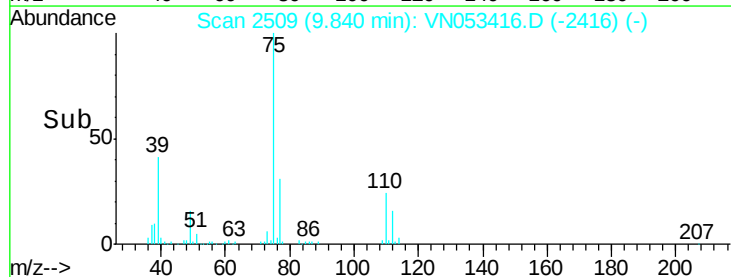
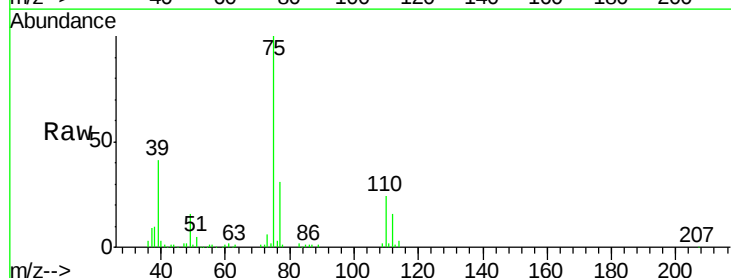
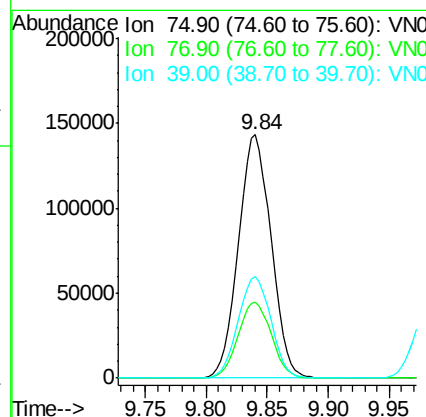
Manual Integrations
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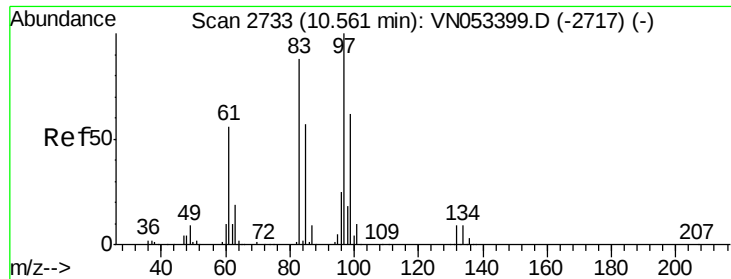
MMDadoda
1/17/2019 9:41:22 AM



#54
cis-1,3-Dichloropropene
Concen: 20.725 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.8	38.6
39	41.5	33.4	50.0





#55

1,1,2-Trichloroethane

Concen: 21.658 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

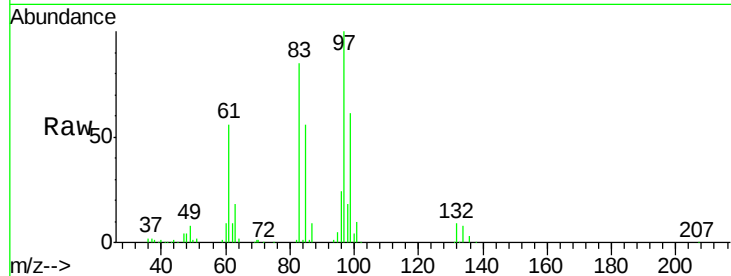
ClientSampled :

VN0116WBSD01

Tot Ion:	97	Resp:	156691
Ion	Ratio	Lower	Upper
97	100		
83	85.0	70.1	105.1
85	56.2	45.4	68.0
99	61.1	49.8	74.8

Manual Integrations
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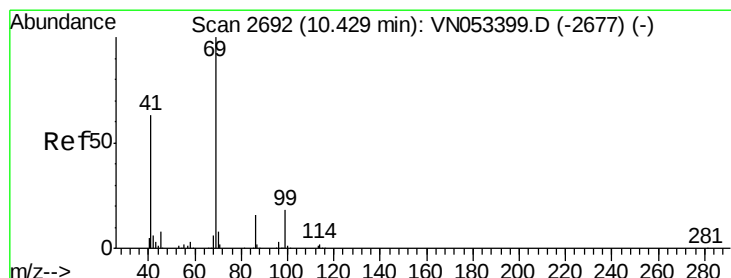
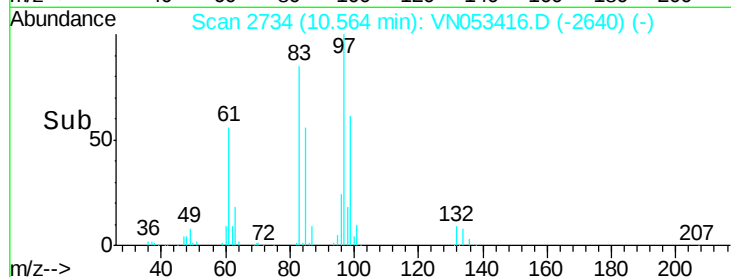
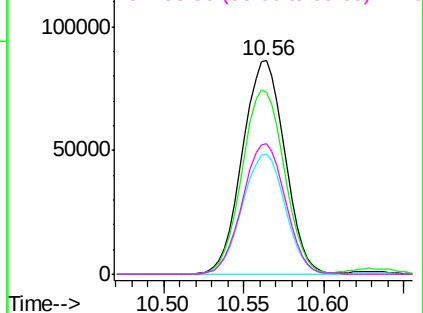


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.979 ug/l

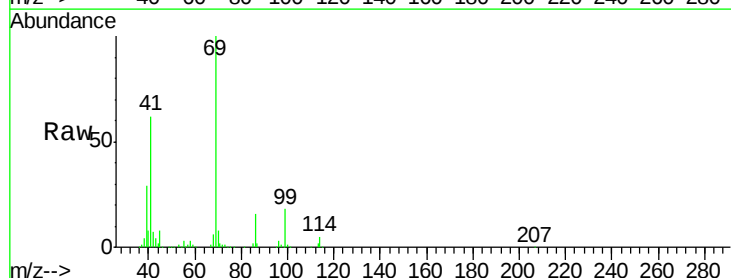
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

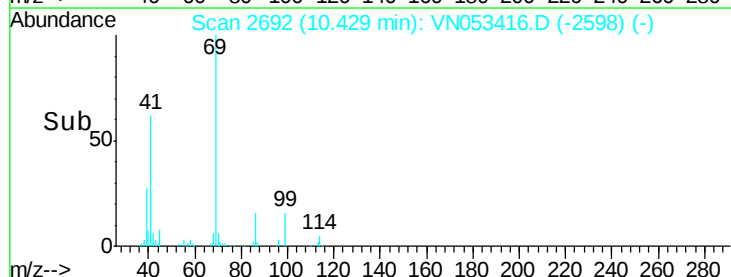
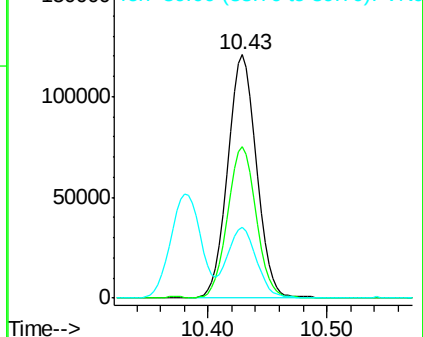
Tgt Ion:	69	Resp:	202607
Ion	Ratio	Lower	Upper
69	100		
41	61.1	49.4	74.0
39	29.4	23.3	34.9

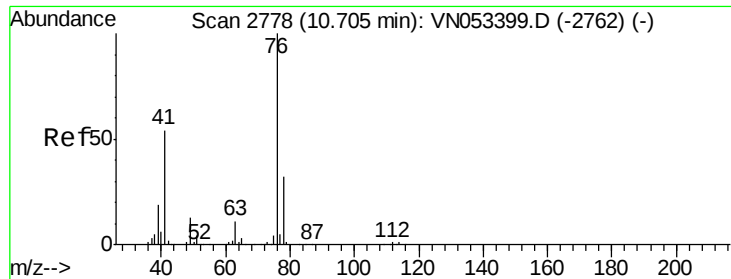


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.296 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampled :

VN0116WBSD01

Tot Ion: 76 Resp: 266525

Ion Ratio Lower Upper

76 100

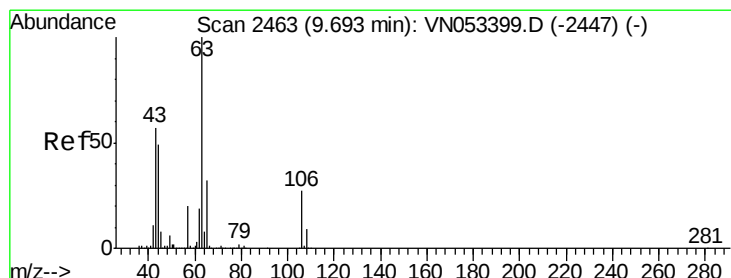
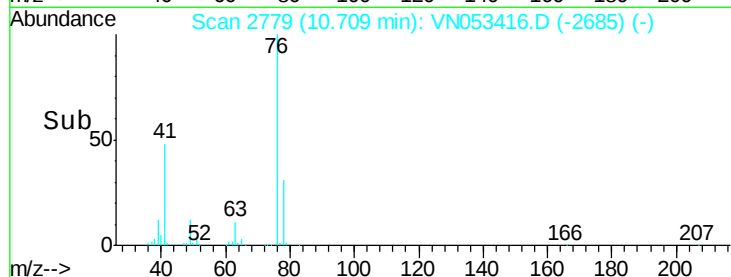
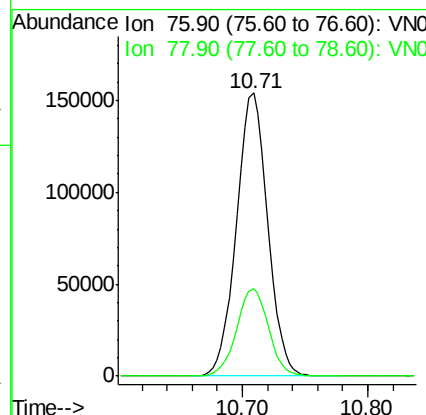
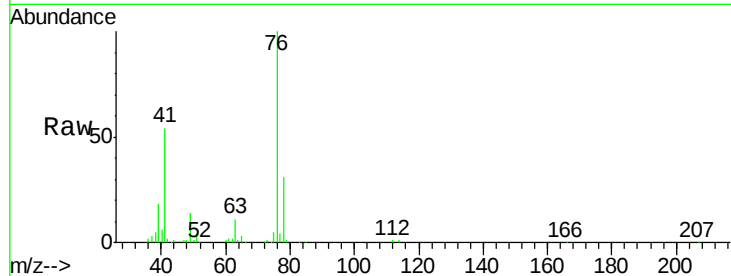
78 31.6 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 107.864 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053416.D

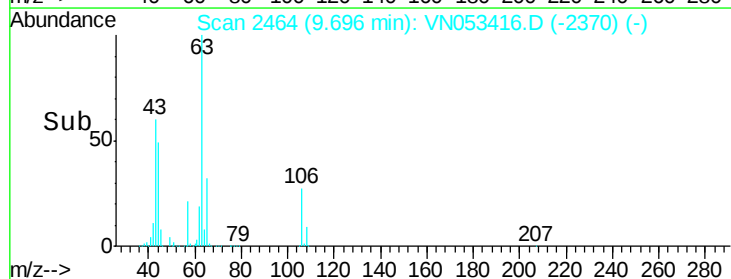
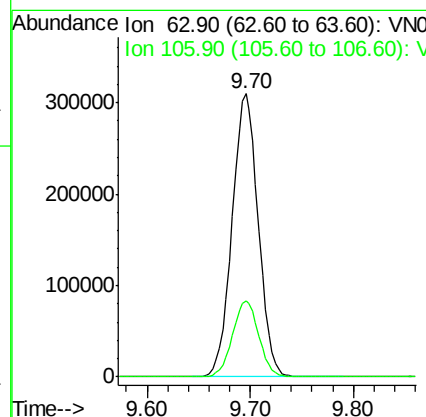
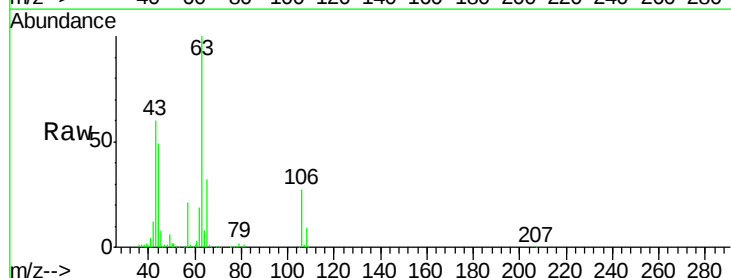
Acq: 16 Jan 2019 11:14

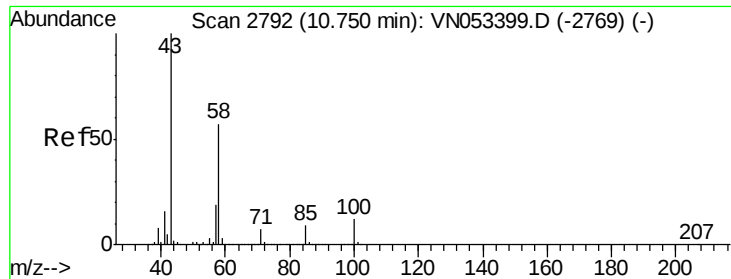
Tgt Ion: 63 Resp: 545926

Ion Ratio Lower Upper

63 100

106 26.9 21.5 32.3





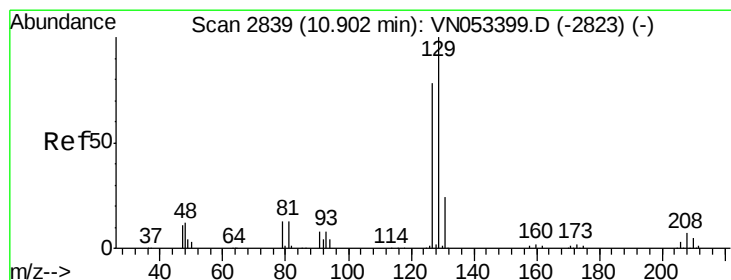
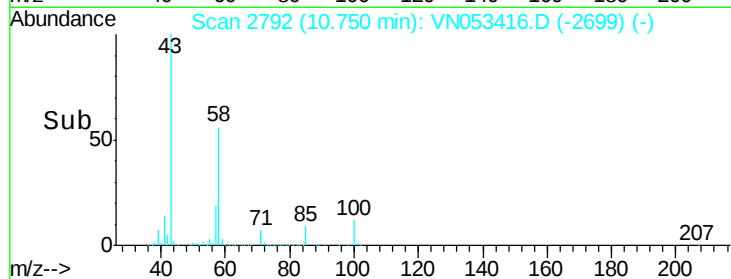
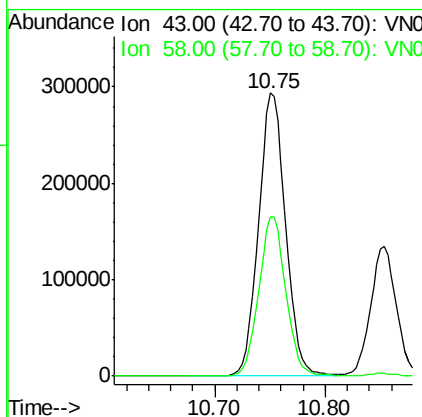
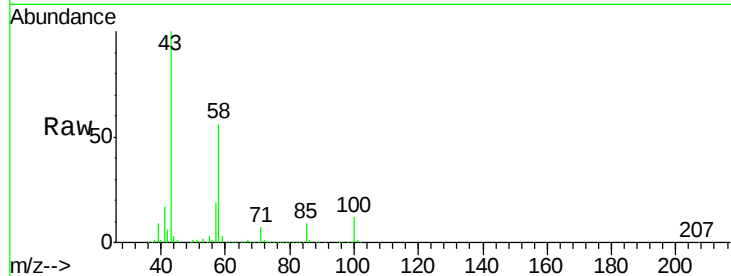
#59
2-Hexanone
Concen: 112.867 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	43	Resp	497693
Ion Ratio	43	100	
Lower	58	56.5	28.6
Upper			85.8

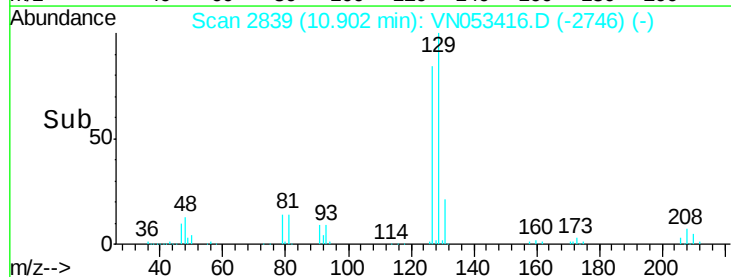
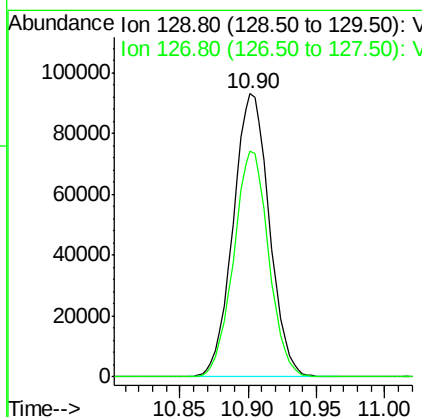
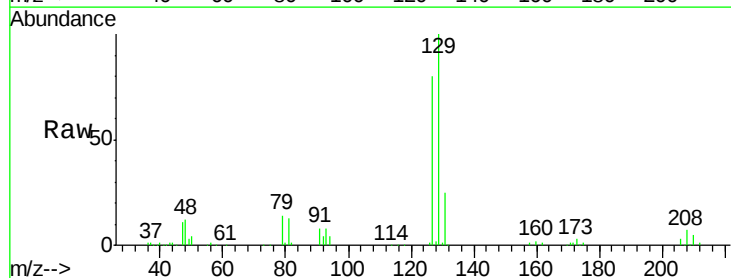
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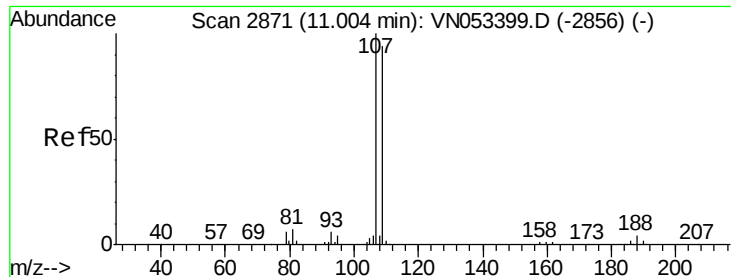
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#60
Dibromochloromethane
Concen: 20.844 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion	129	Resp	171039
Ion Ratio	129	100	
Lower	127	77.2	38.6
Upper			115.8





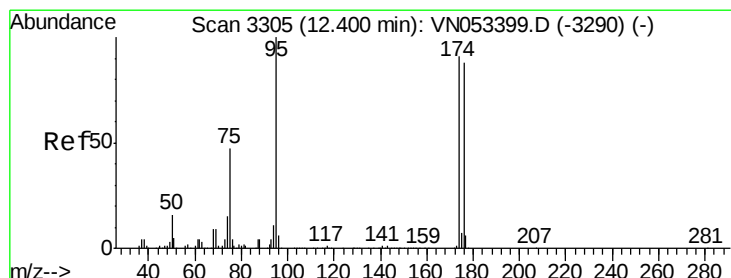
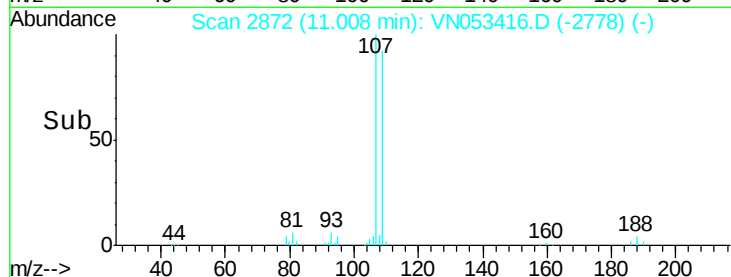
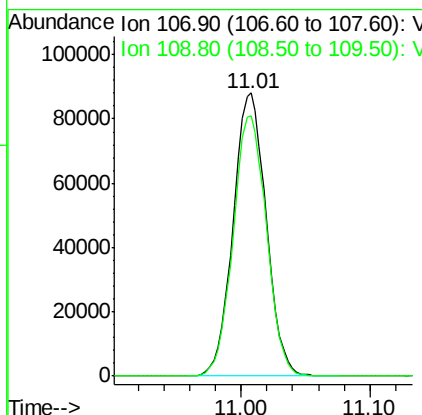
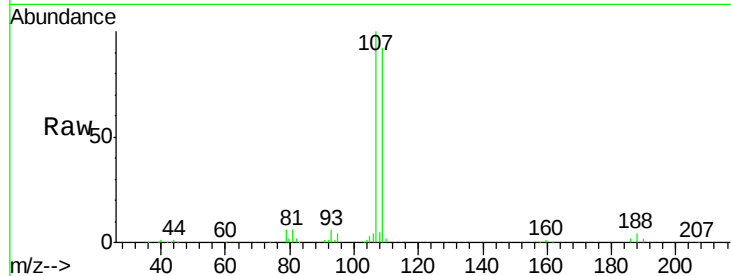
#61
 1,2-Dibromoethane
 Concen: 21.393 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.7	113.5

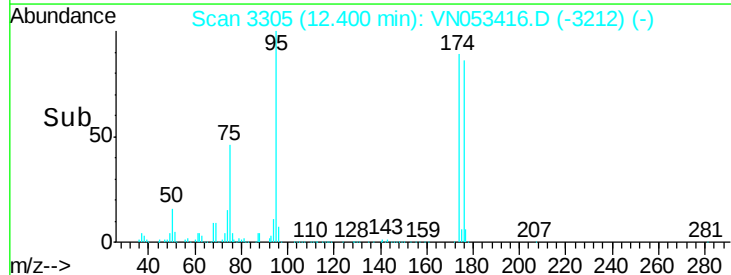
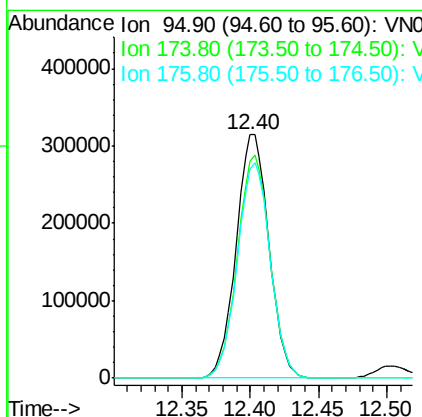
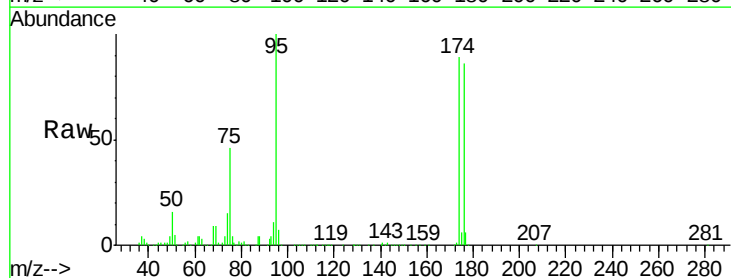
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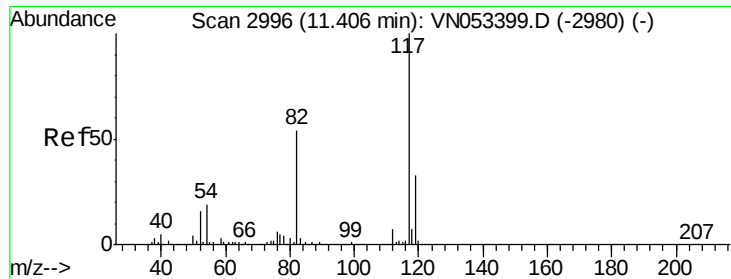
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 21.393 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.3	0.0	183.2
176	88.6	0.0	177.4





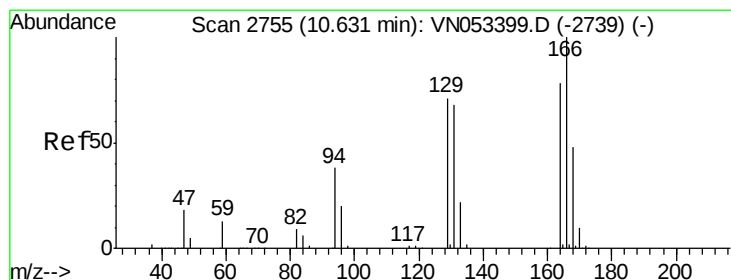
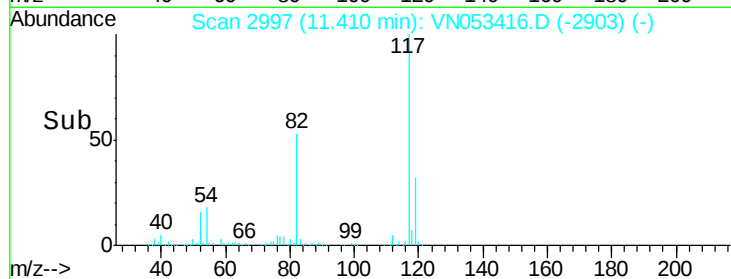
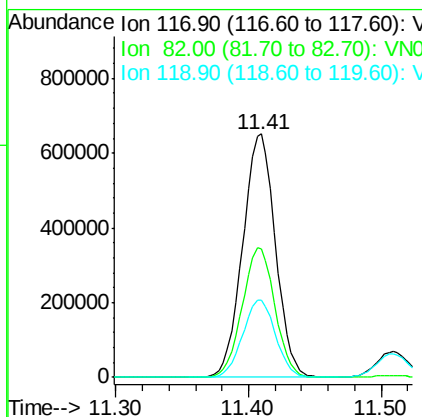
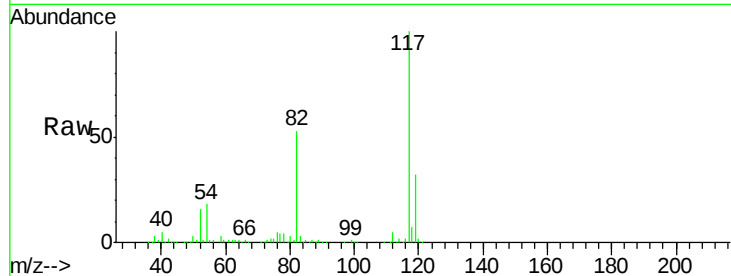
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion:117 Resp: 1114888
Ion Ratio Lower Upper
117 100
82 52.8 42.9 64.3
119 31.8 26.0 39.0

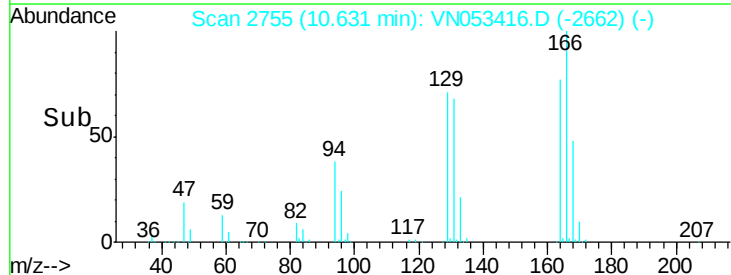
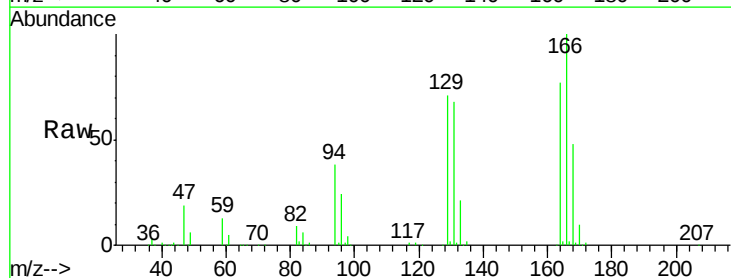
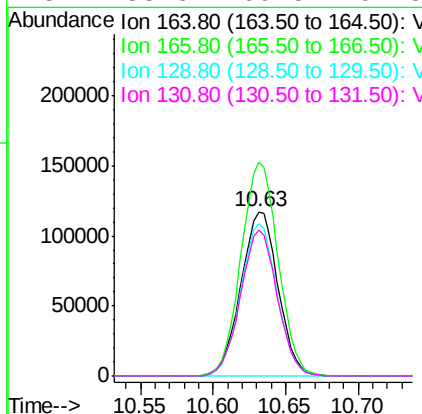
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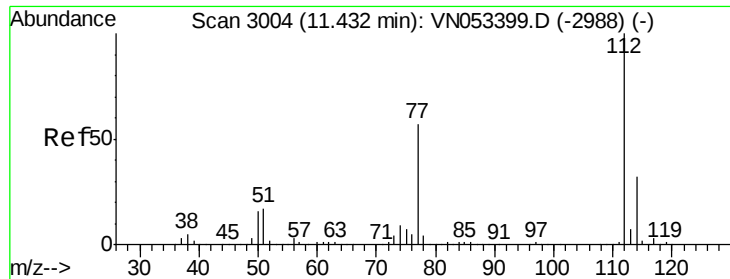
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#64
Tetrachloroethene
Concen: 19.893 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion:164 Resp: 209010
Ion Ratio Lower Upper
164 100
166 130.0 102.2 153.4
129 92.7 72.6 109.0
131 88.6 69.5 104.3





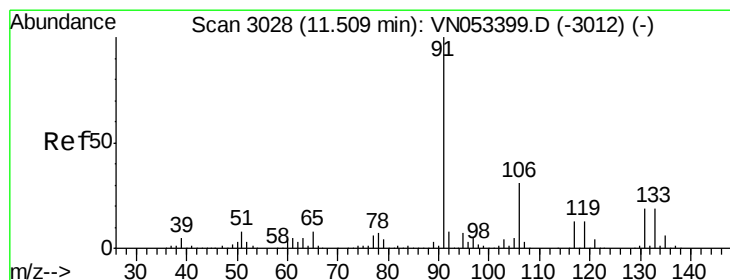
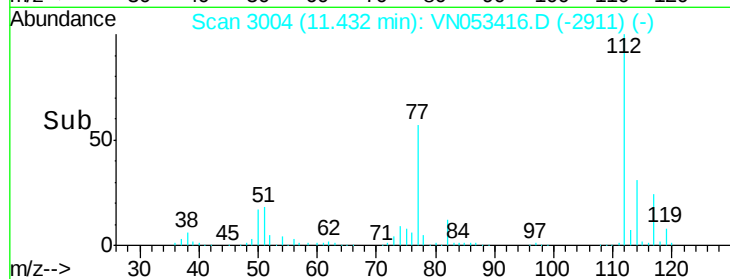
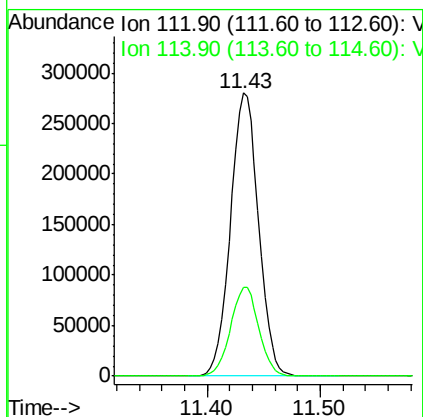
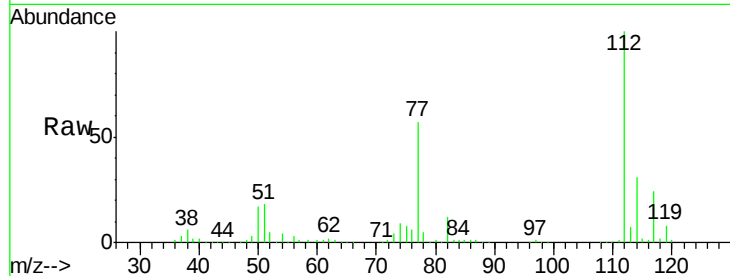
#65
Chlorobenzene
Concen: 20.469 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion:112 Resp: 483031
Ion Ratio Lower Upper
112 100
114 31.2 25.3 37.9

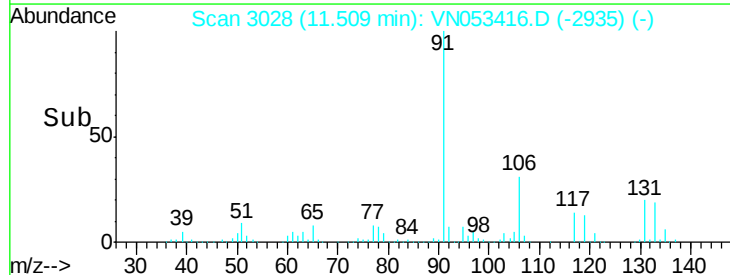
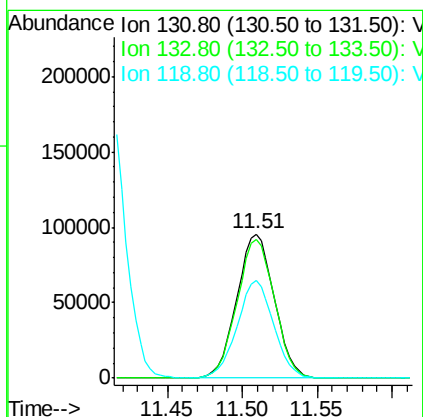
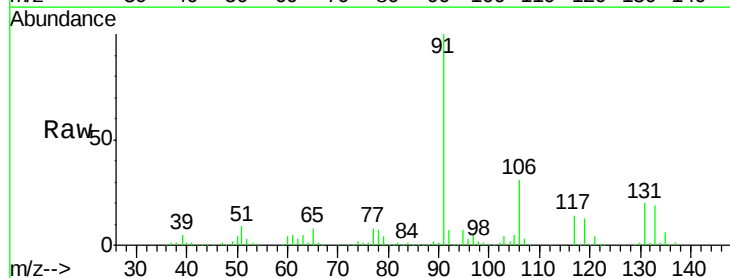
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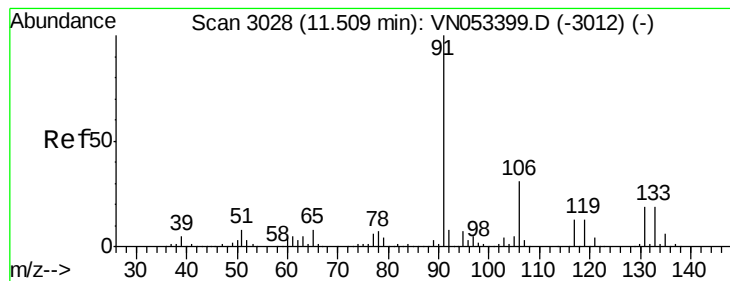
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.281 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion:131 Resp: 166499
Ion Ratio Lower Upper
131 100
133 96.1 48.0 144.0
119 66.1 33.5 100.5





#67

Ethyl Benzene

Concen: 20.241 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampled :

VN0116WBSD01

Tot Ion: 91 Resp: 814059

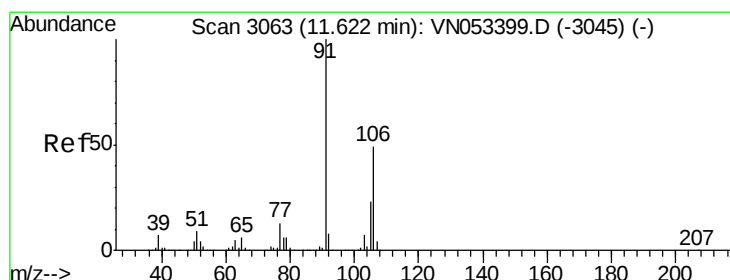
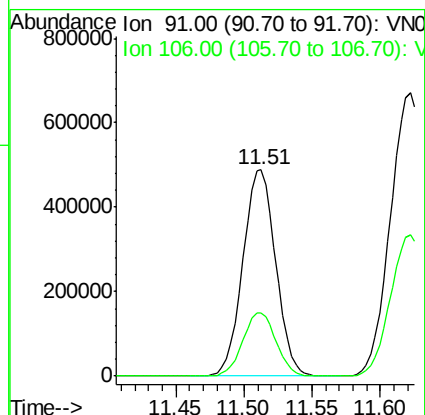
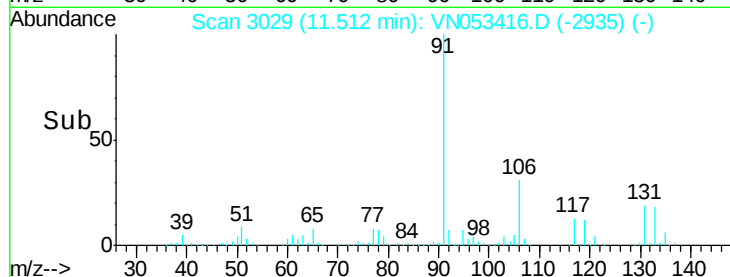
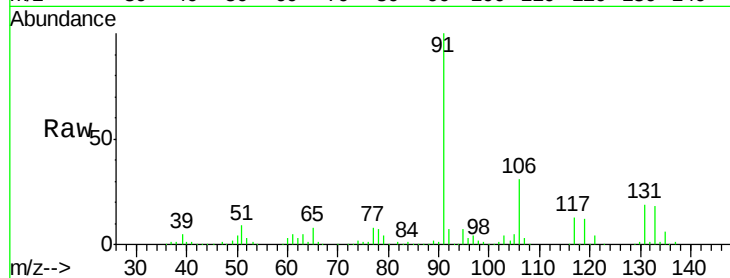
Ion Ratio Lower Upper

91 100

106 30.8 25.0 37.6

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#68

m/p-Xylenes

Concen: 41.531 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN053416.D

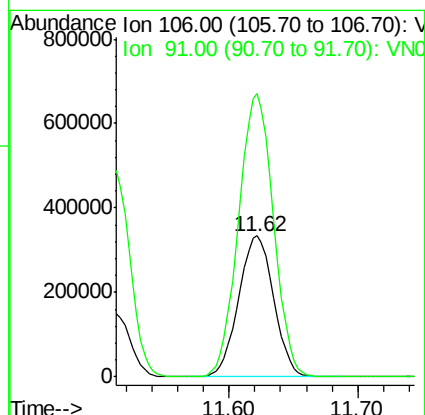
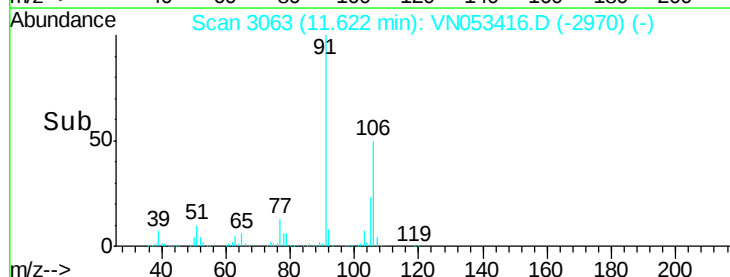
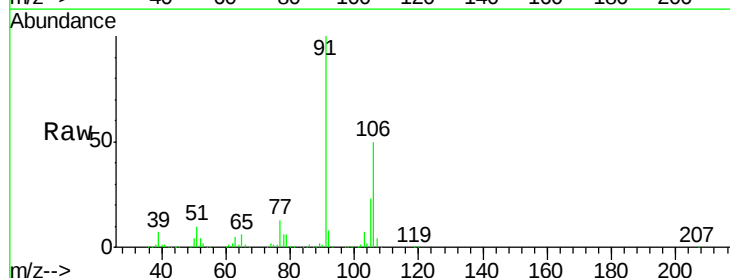
Acq: 16 Jan 2019 11:14

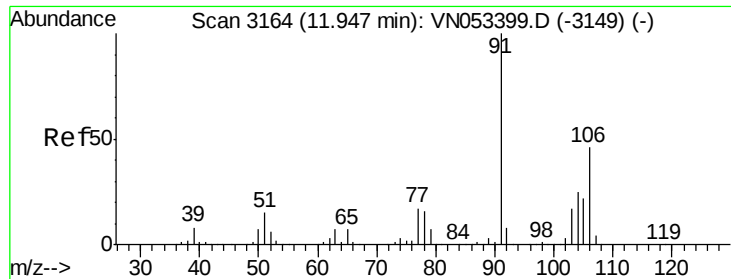
Tgt Ion: 106 Resp: 630627

Ion Ratio Lower Upper

106 100

91 200.4 161.4 242.2





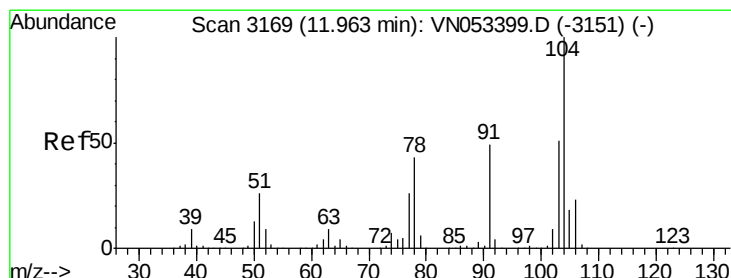
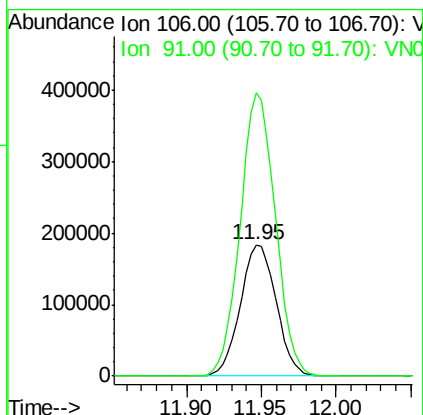
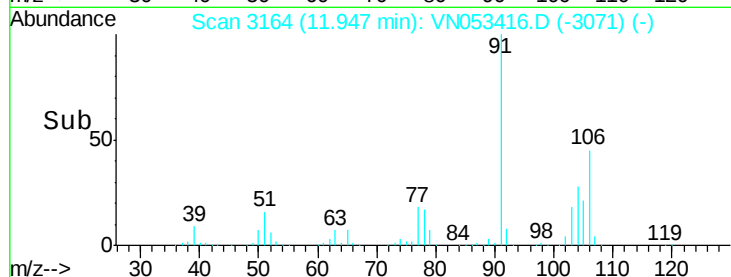
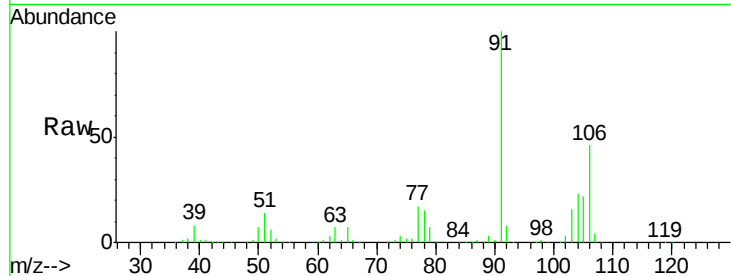
#69
o-Xylene
Concen: 20.767 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion:106 Resp: 306412
Ion Ratio Lower Upper
106 100
91 211.8 106.9 320.8

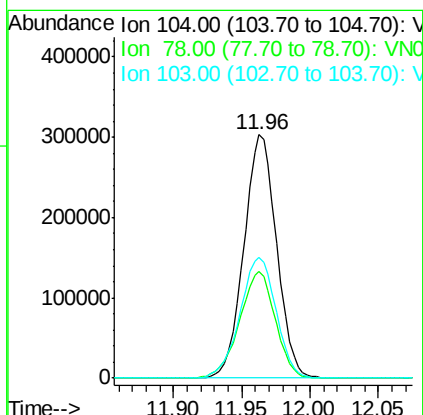
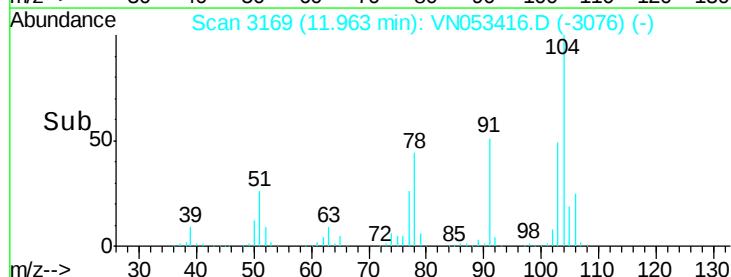
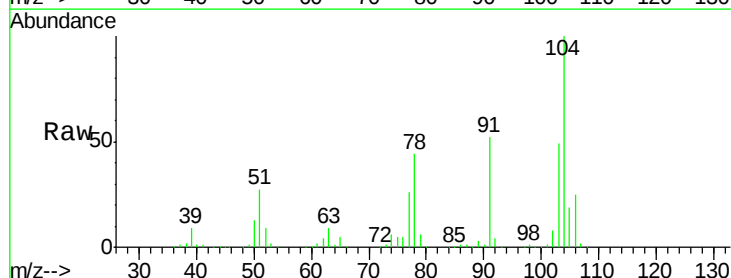
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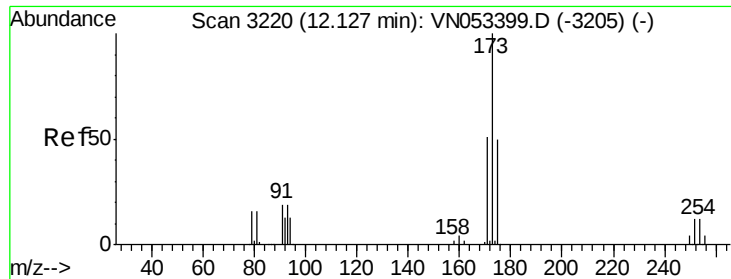
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#70
Styrene
Concen: 21.010 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion:104 Resp: 503102
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.2
103 54.7 44.4 66.6





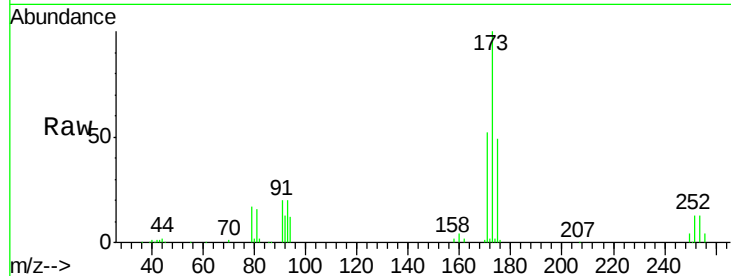
#71
Bromoform
Concen: 21.468 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

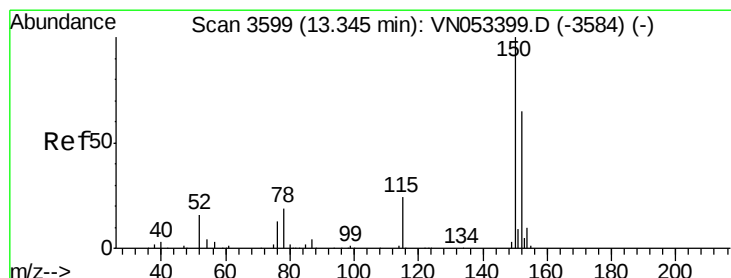
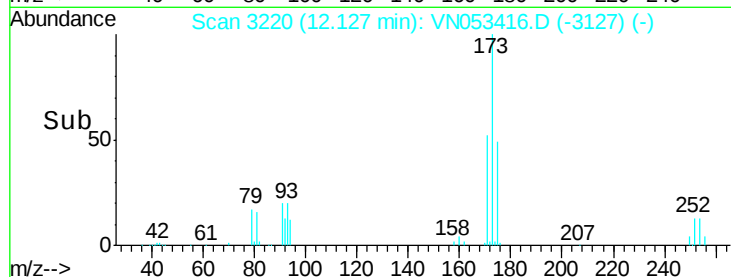
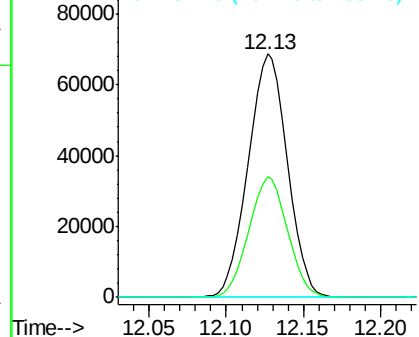
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.6	74.0
254	0.1	0.2	0.2#

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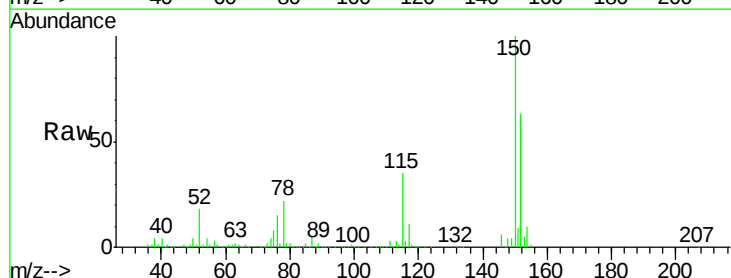


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

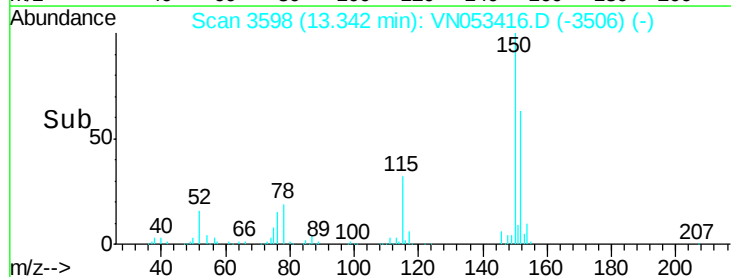
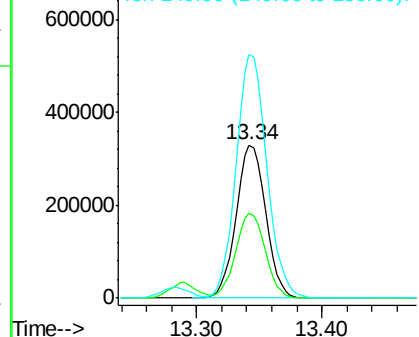


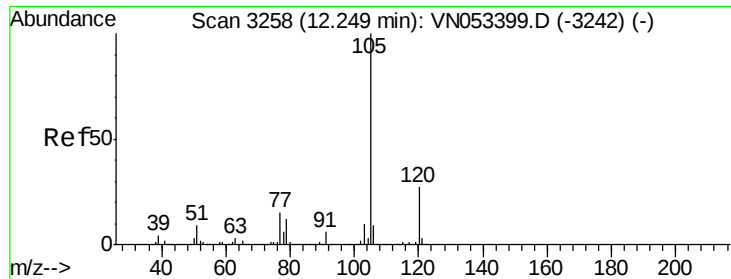
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.8	83.4
150	165.2	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





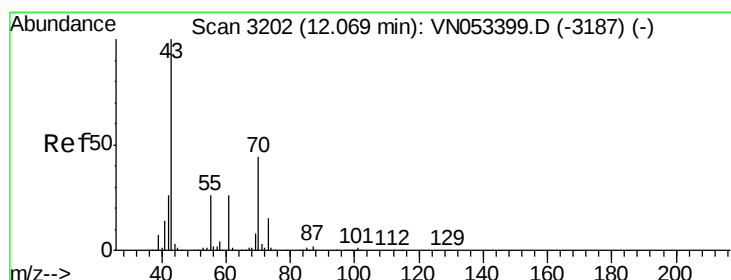
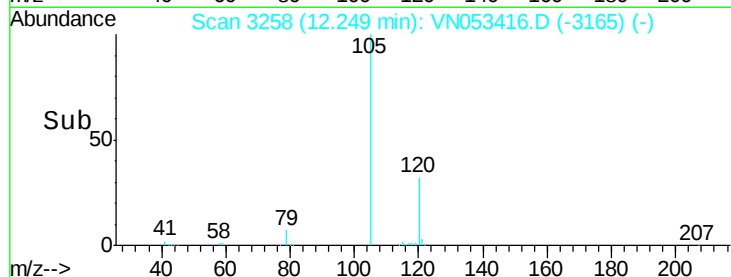
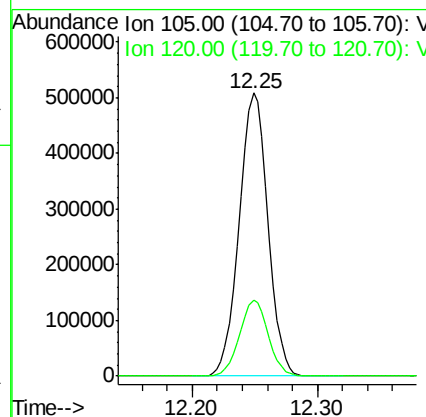
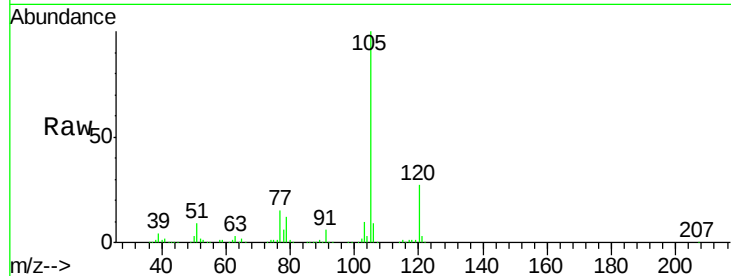
#73
Isopropylbenzene
Concen: 20.453 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.6	40.7

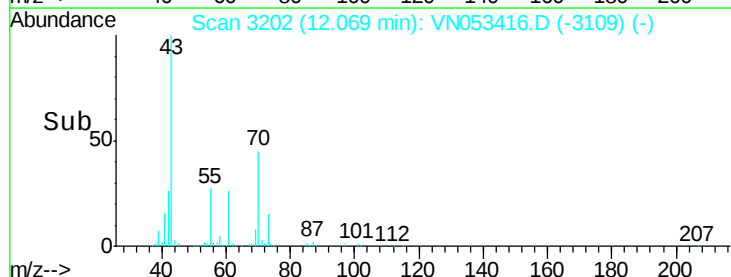
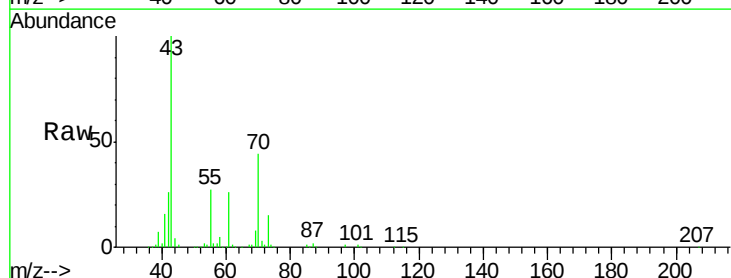
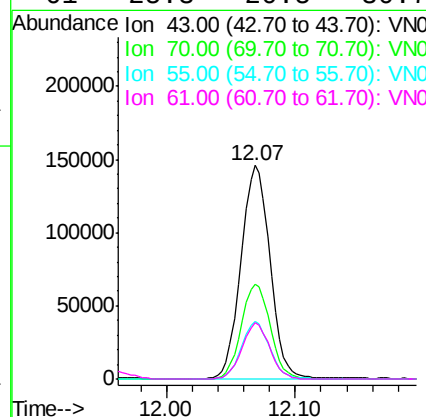
Manual Integrations
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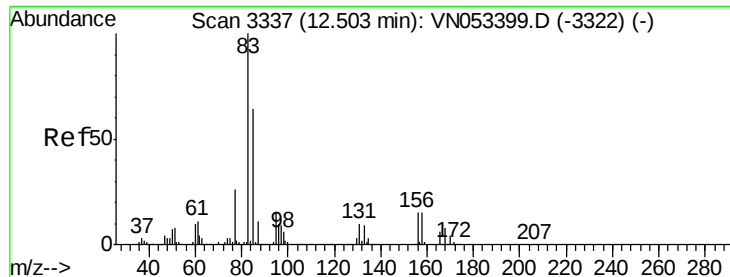
MMDadoda
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#74
N-ethyl acetate
Concen: 21.634 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.4	35.4	53.2
55	26.4	20.9	31.3
61	25.3	20.5	30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.792 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

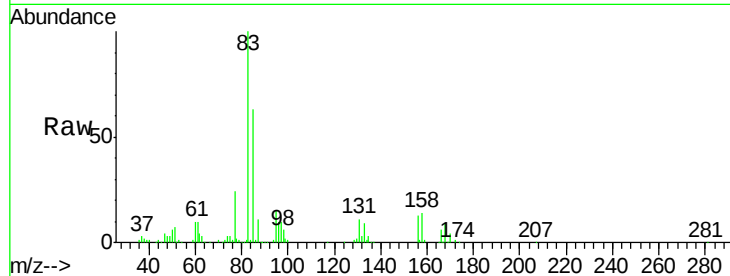
ClientSampleId :

VN0116WBSD01

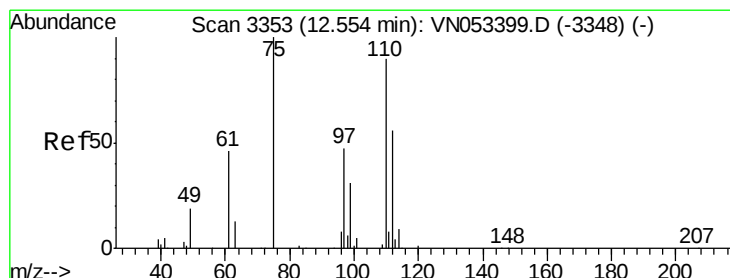
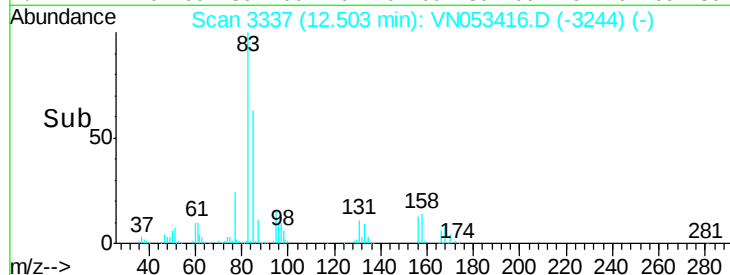
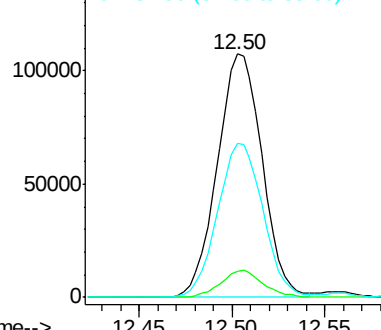
Tot Ion:	83	Resp:	180651
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.8
85	63.9	32.1	96.3

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Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 22.609 ug/l m

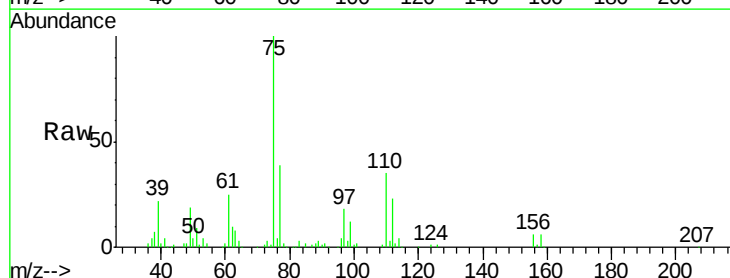
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

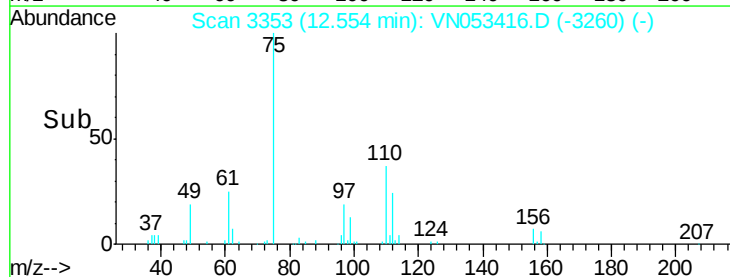
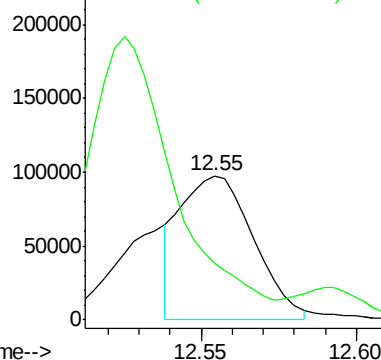
Lab File: VN053416.D

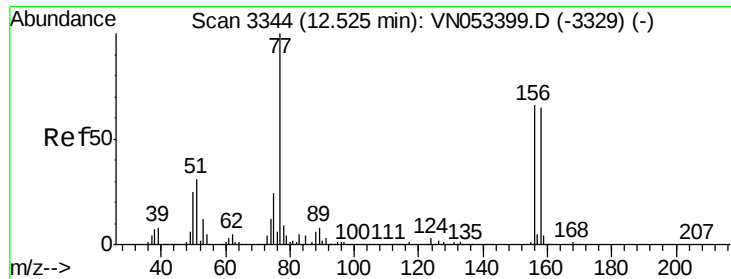
Acq: 16 Jan 2019 11:14

Tgt Ion:	75	Resp:	160822
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3348) (-)





#77

Bromobenzene

Concen: 20.502 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

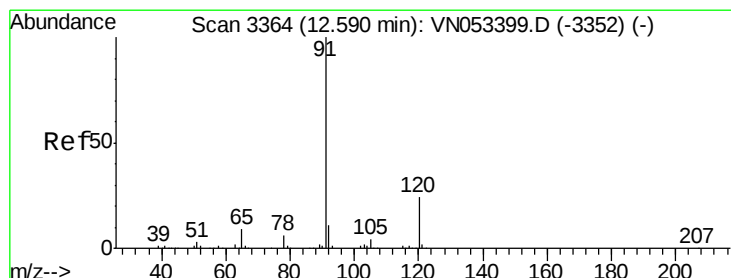
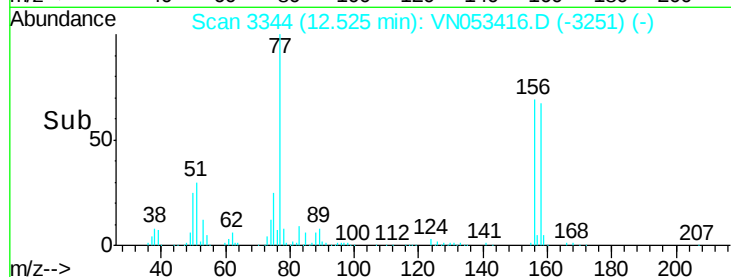
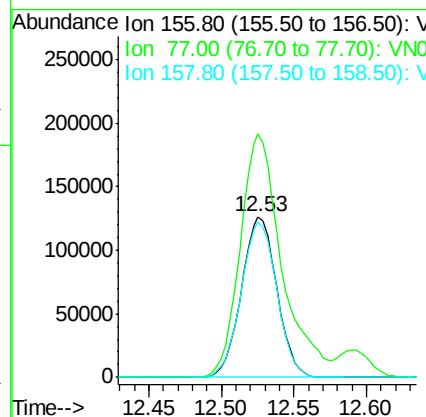
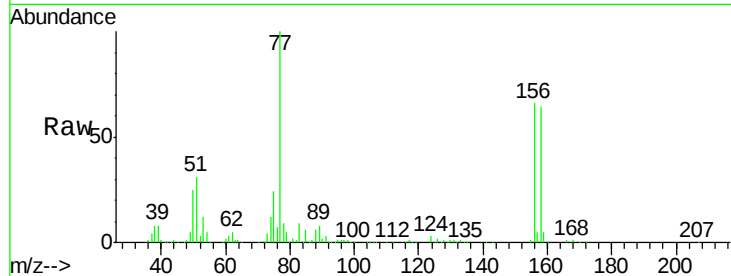
ClientSampled :

VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	177.9	87.9	263.8
158	97.9	48.8	146.4

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#78

n-propylbenzene

Concen: 20.599 ug/l

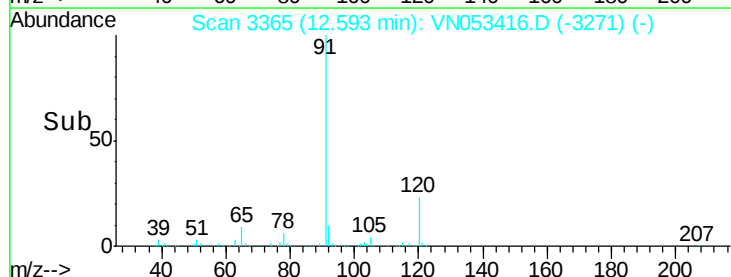
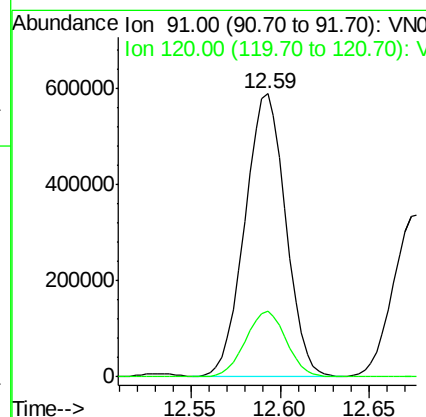
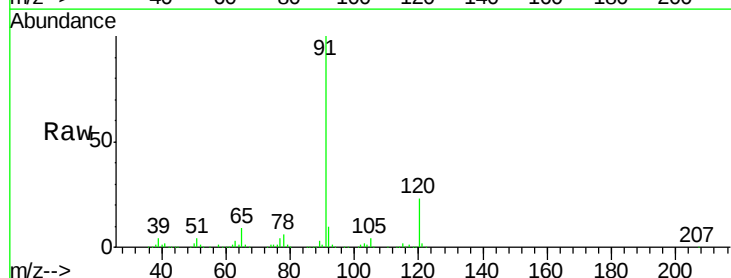
RT: 12.59 min Scan# 3365

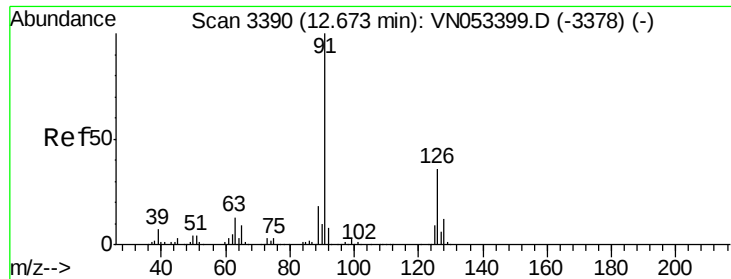
Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.566 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

Tot Ion: 91 Resp: 553114

Ion Ratio Lower Upper

91 100

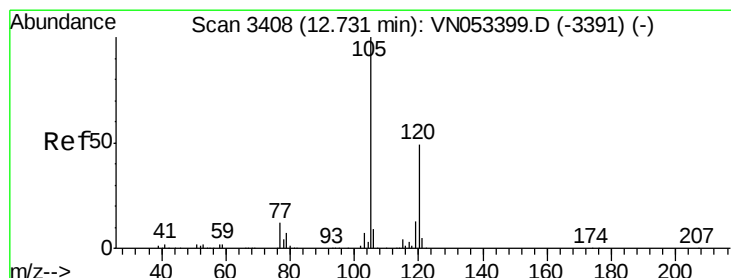
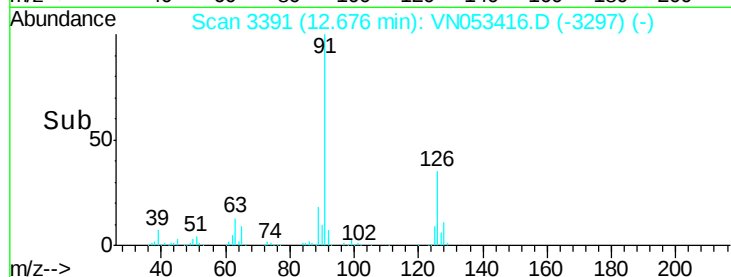
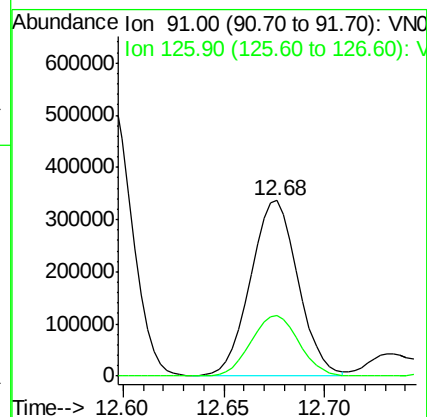
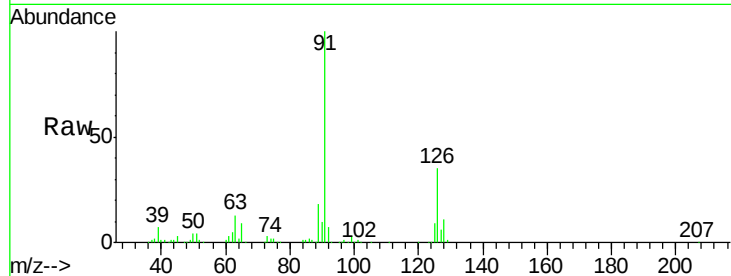
126 35.2 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 20.865 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053416.D

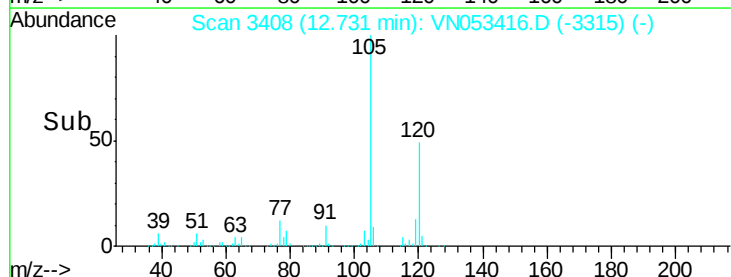
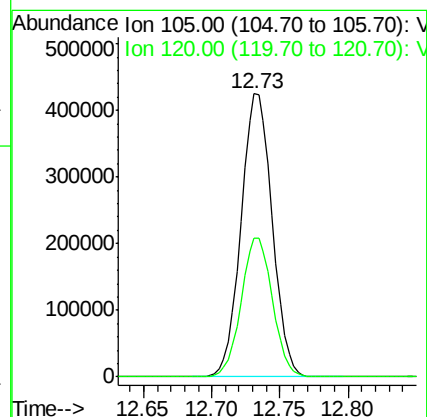
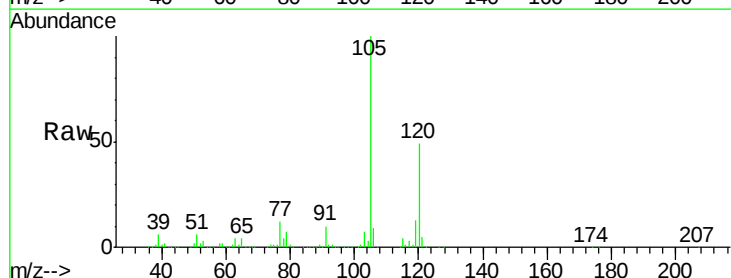
Acq: 16 Jan 2019 11:14

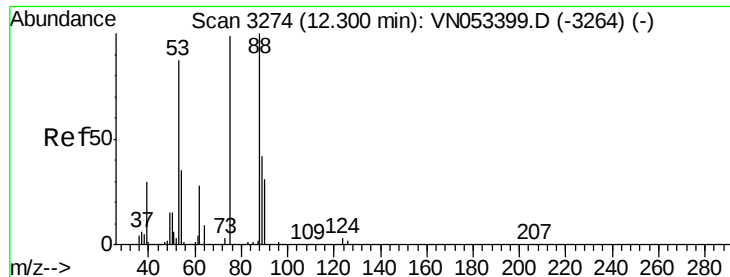
Tgt Ion: 105 Resp: 671029

Ion Ratio Lower Upper

105 100

120 49.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.880 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

Tot Ion: 75 Resp: 54318

Ion Ratio Lower Upper

75 100

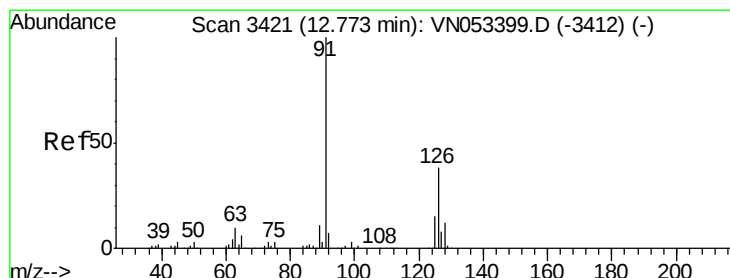
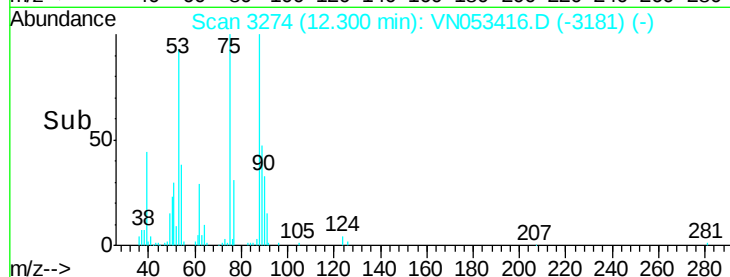
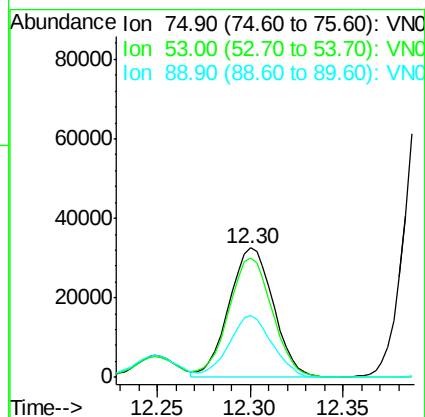
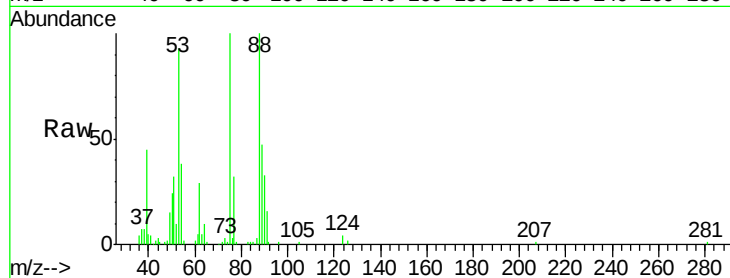
53 90.8 69.8 104.6

89 46.0 35.6 53.4

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#82

4-Chlorotoluene

Concen: 20.618 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053416.D

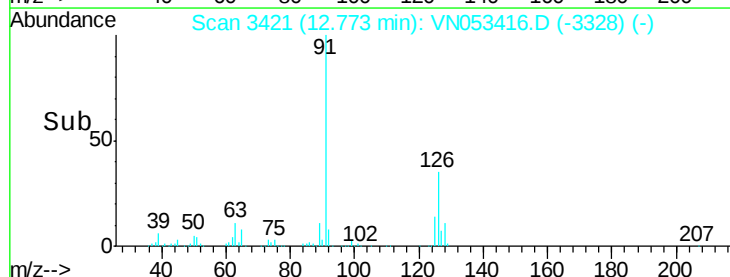
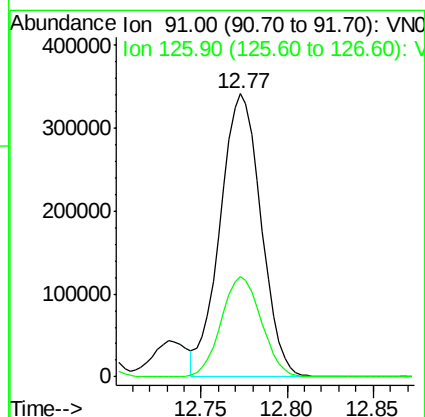
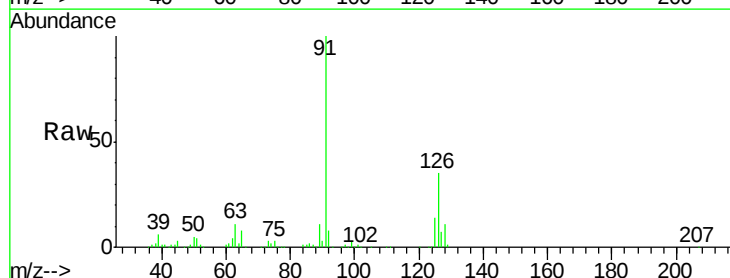
Acq: 16 Jan 2019 11:14

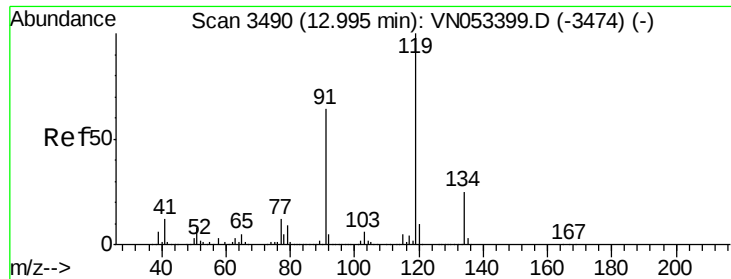
Tgt Ion: 91 Resp: 565466

Ion Ratio Lower Upper

91 100

126 34.7 17.6 52.9





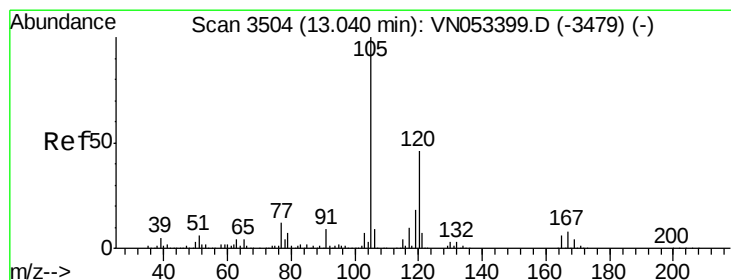
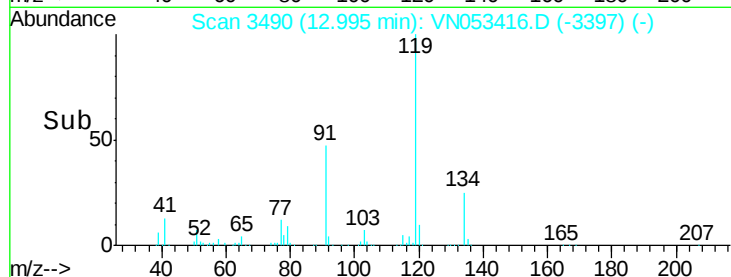
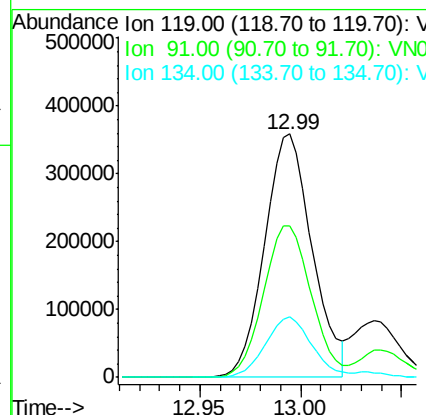
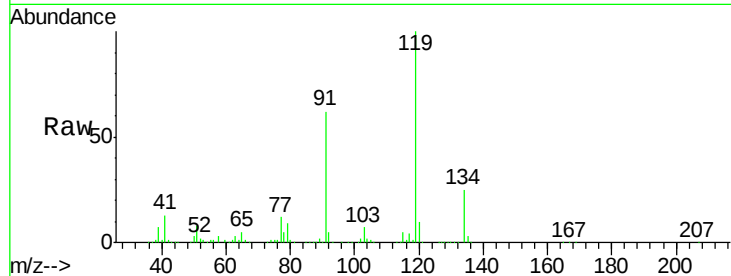
#83
tert-Butylbenzene
Concen: 20.736 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	588998		
91	63.0		31.3	93.8
134	24.2		12.9	38.7

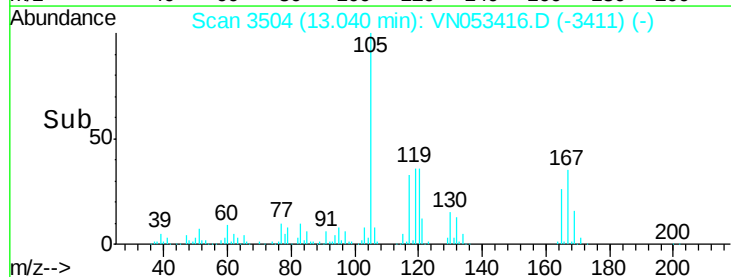
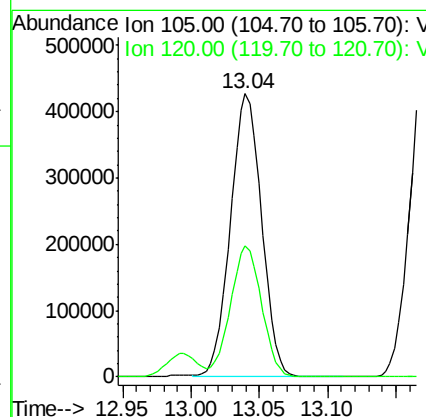
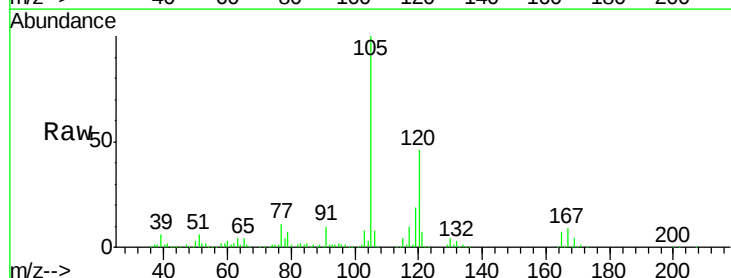
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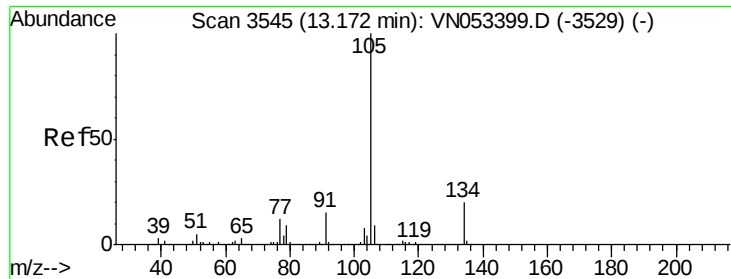
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#84
1,2,4-Trimethylbenzene
Concen: 20.892 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	677482		
120	46.1		23.0	69.0





#85

sec-Butylbenzene

Concen: 20.554 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0116WBSD01

Tot Ion:105 Resp: 800690

Ion Ratio Lower Upper

105 100

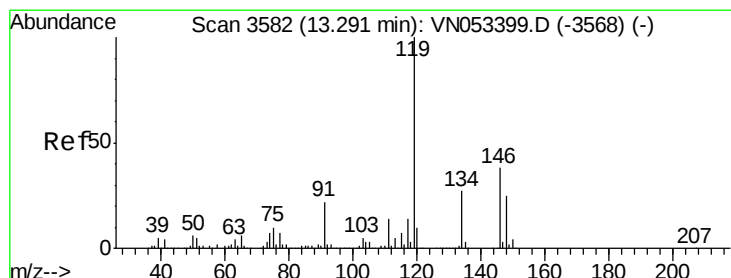
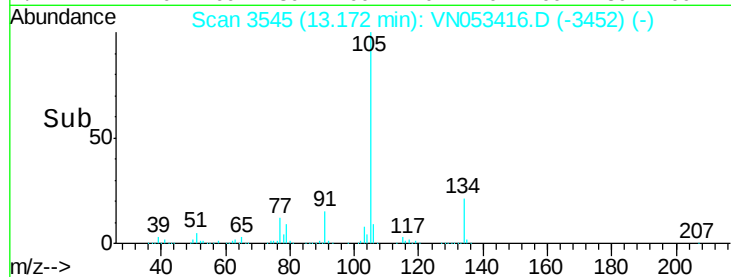
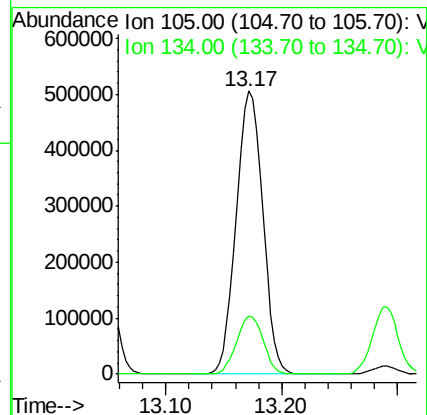
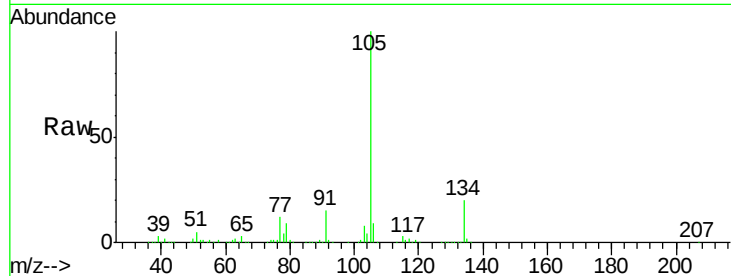
134 20.6 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 20.580 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

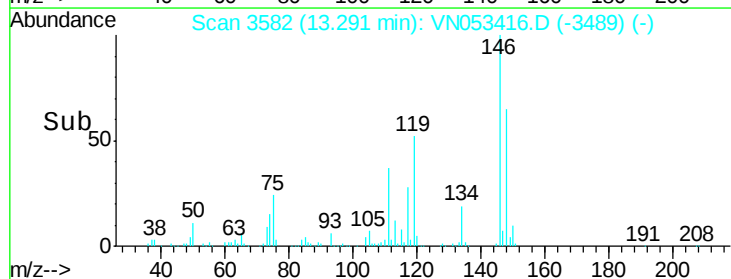
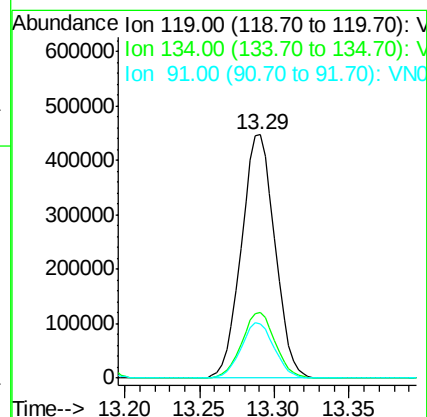
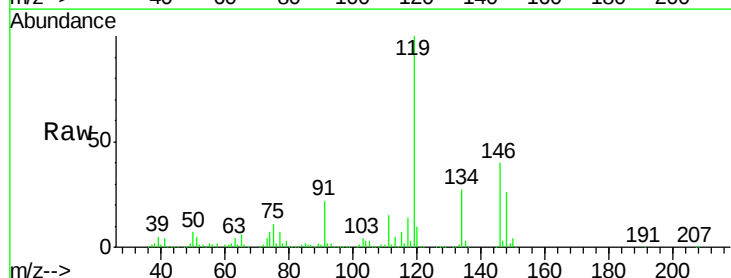
Tgt Ion:119 Resp: 696108

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.4 11.0 33.0





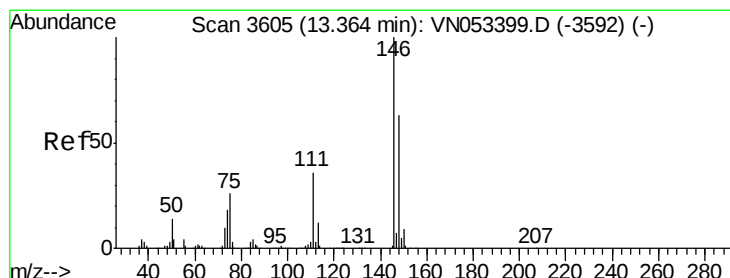
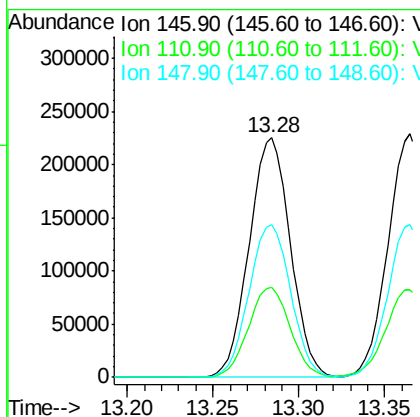
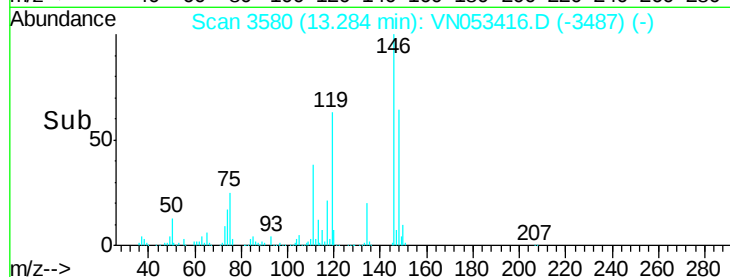
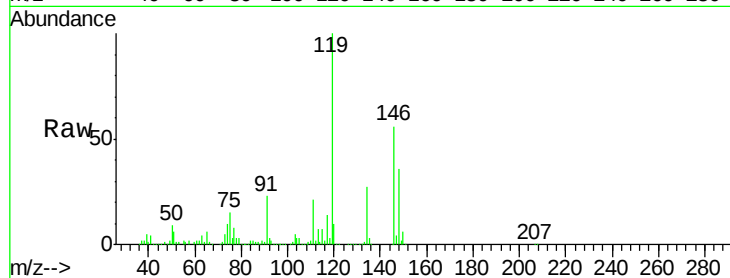
#87
 1,3-Dichlorobenzene
 Concen: 20.480 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.3
148	64.5	32.0	96.2

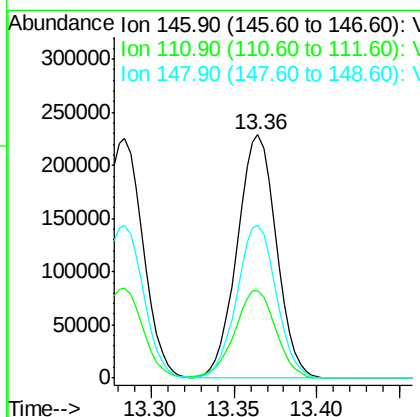
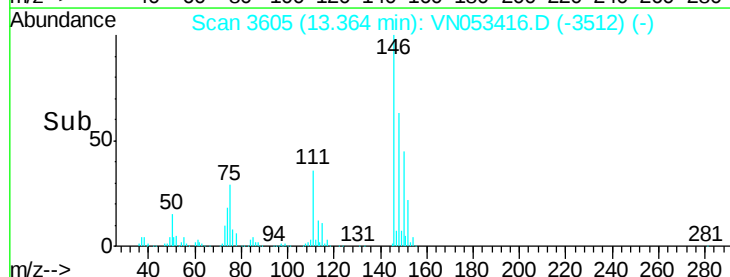
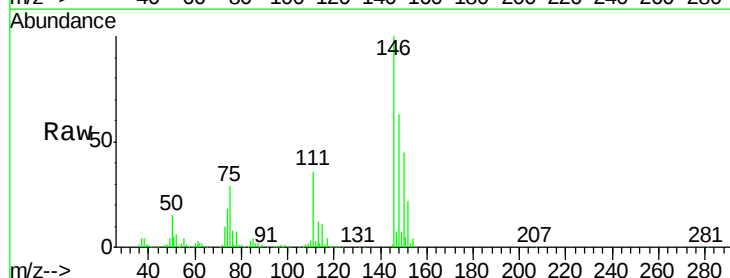
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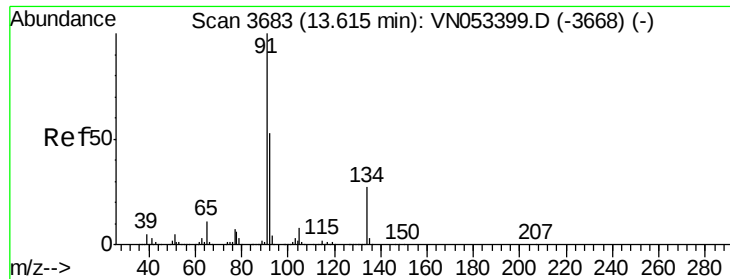
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#88
 1,4-Dichlorobenzene
 Concen: 20.438 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	55.8
148	63.4	32.4	97.0





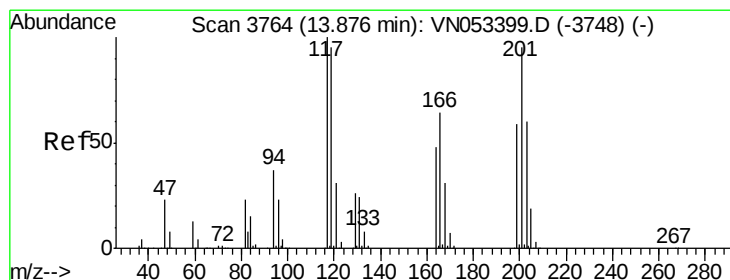
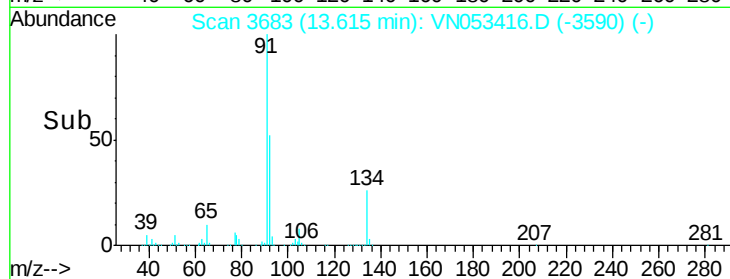
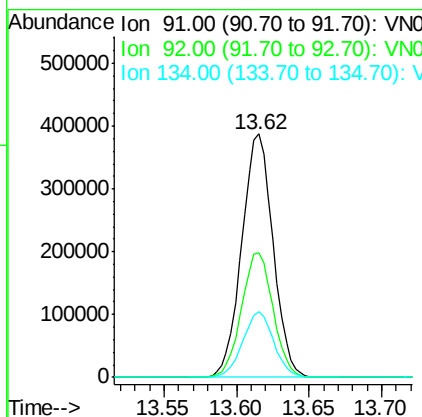
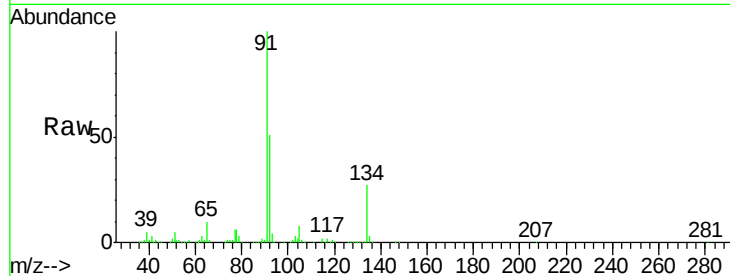
#89
n-Butylbenzene
Concen: 20.219 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0116WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.3	78.8
134	26.6	13.5	40.5

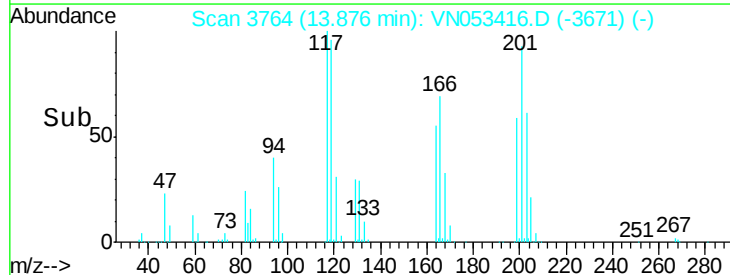
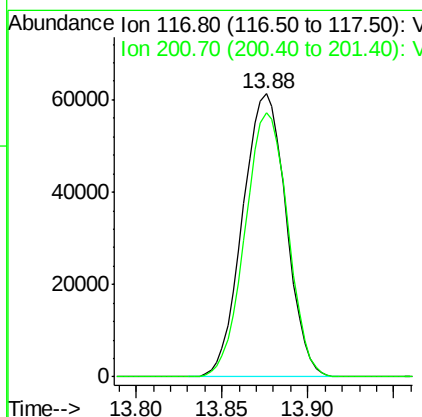
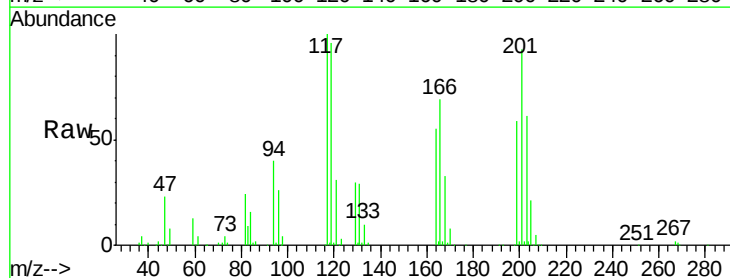
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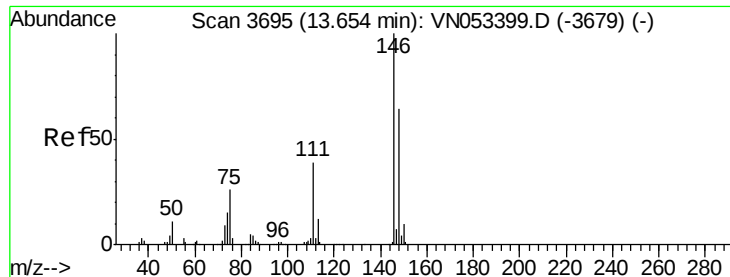
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#90
Hexachloroethane
Concen: 20.328 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053416.D
Acq: 16 Jan 2019 11:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.0	46.8	140.4





#91

1,2-Dichlorobenzene

Concen: 21.429 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

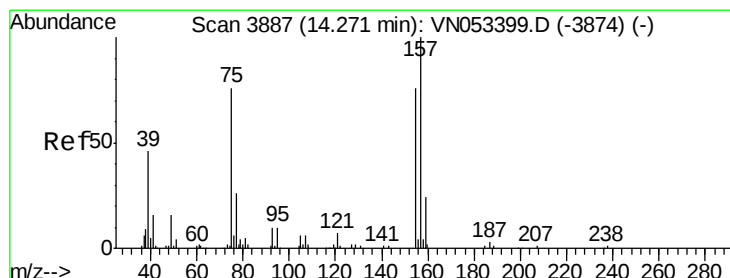
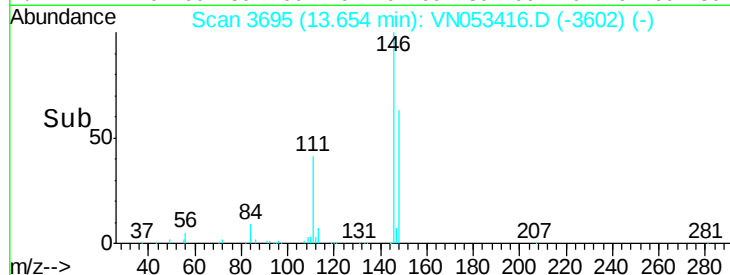
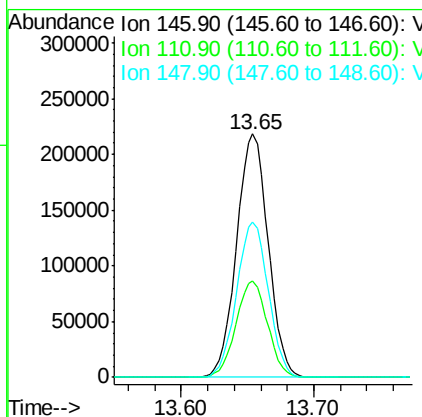
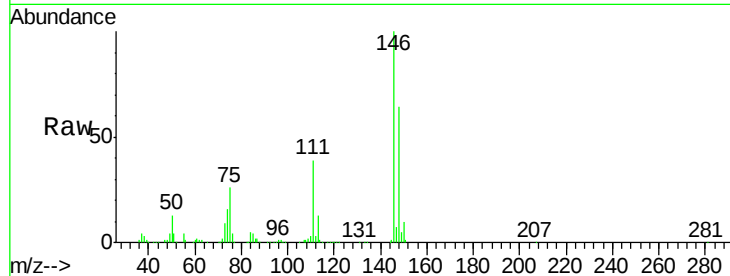
ClientSampleId :

VN0116WBSD01

Tot Ion:	146	Resp:	361191
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.5	58.5
148	64.0	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 24.751 ug/l

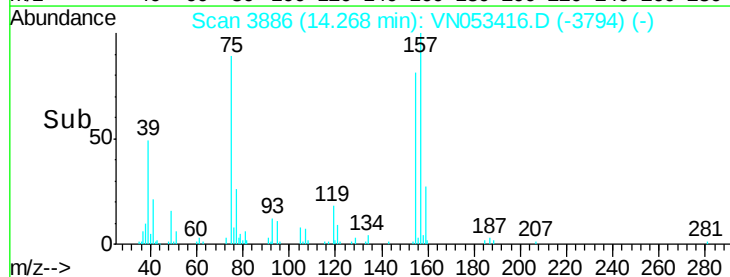
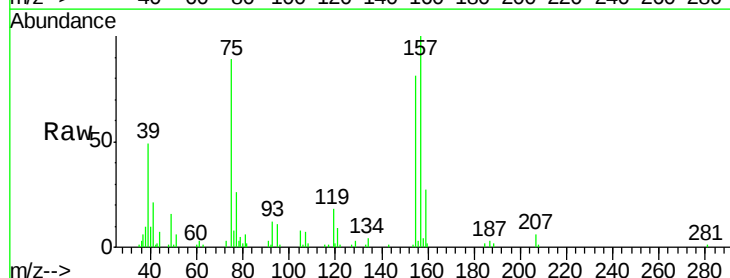
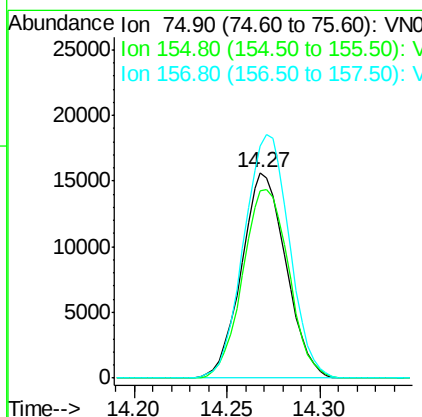
RT: 14.27 min Scan# 3886

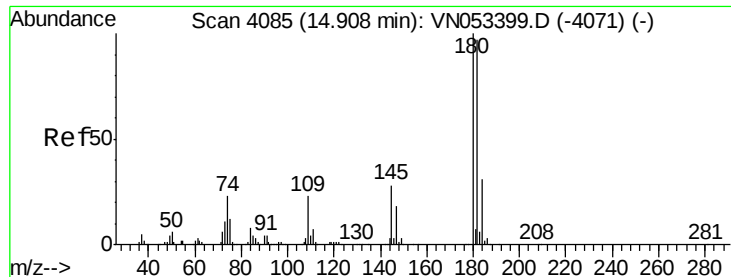
Delta R.T. -0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Tgt Ion:	75	Resp:	26017
Ion Ratio	Lower	Upper	
75	100		
155	95.0	48.9	146.7
157	121.4	63.7	191.3





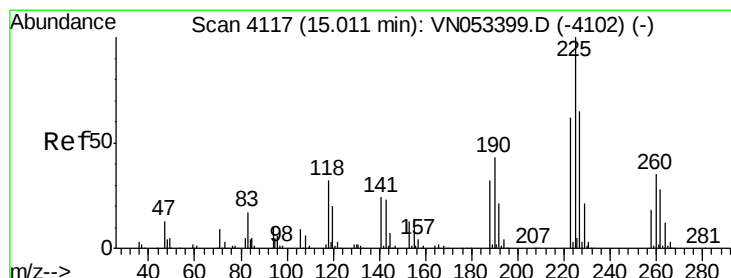
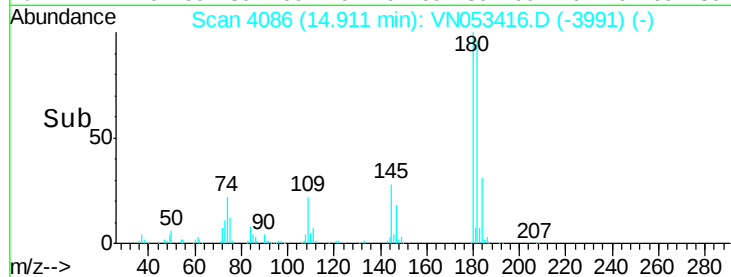
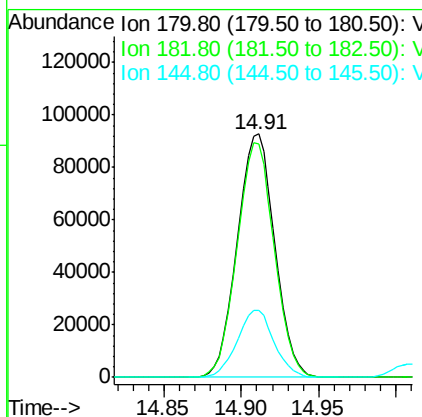
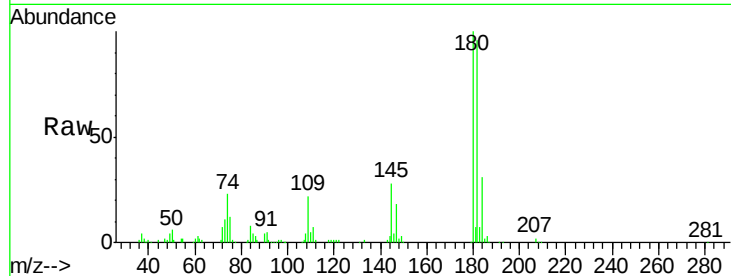
#93
 1,2,4-Trichlorobenzene
 Concen: 22.630 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	48.1	144.3	
145	27.2	13.9	41.6	

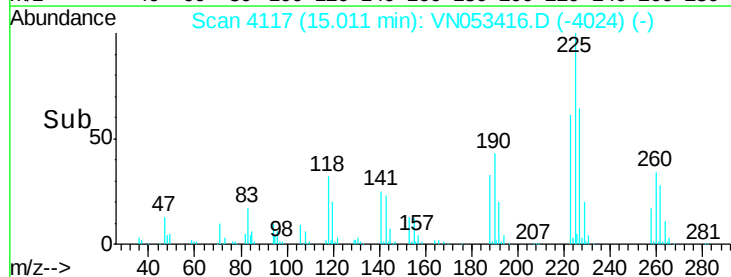
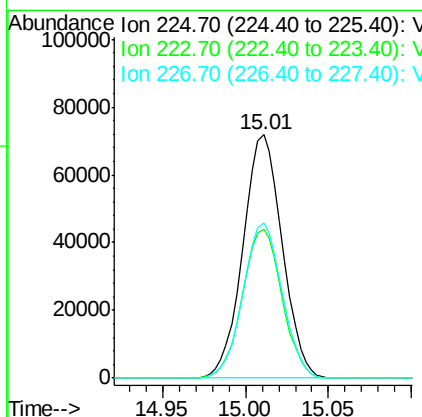
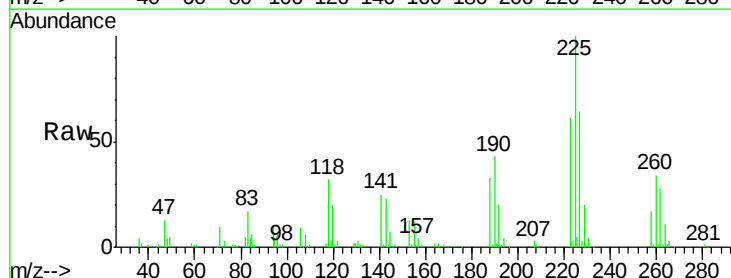
Manual Integrations
 APPROVED

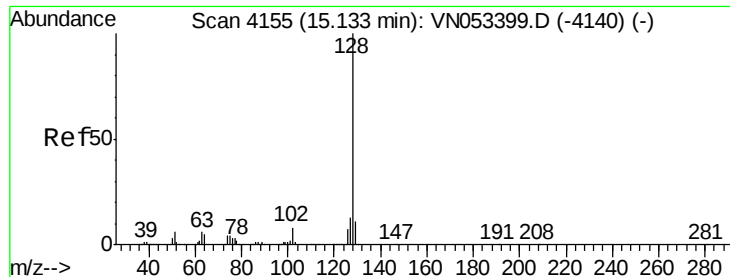
MMDadoda
 1/17/2019 9:41:22 AM



#94
 Hexachlorobutadiene
 Concen: 22.474 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053416.D
 Acq: 16 Jan 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.6	31.1	93.2	
227	63.4	32.0	96.2	





#95

Naphthalene

Concen: 23.321 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Instrument :

MSVOA_N

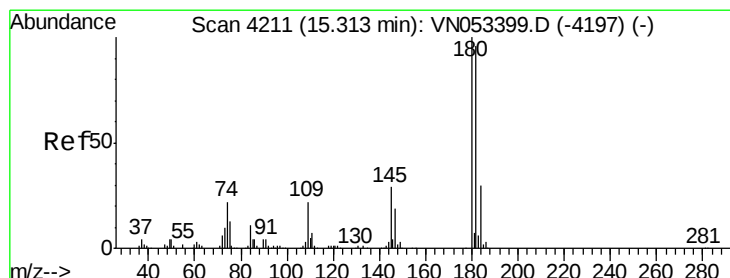
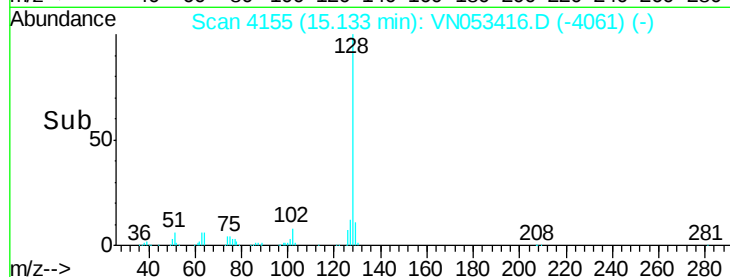
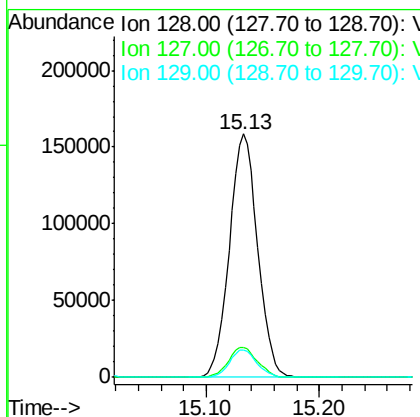
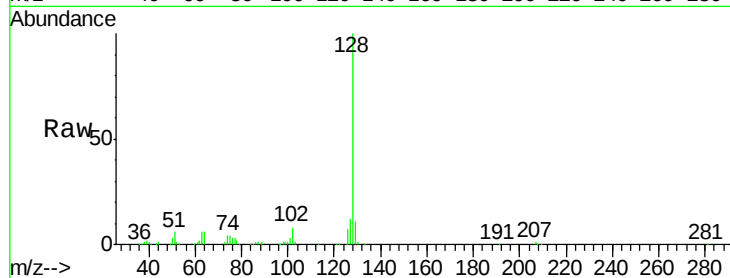
ClientSampleId :

VN0116WBSD01

Tot Ion:	128	Resp:	274532
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/17/2019 9:41:22 AM



#96

1,2,3-Trichlorobenzene

Concen: 23.849 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053416.D

Acq: 16 Jan 2019 11:14

Tgt Ion:	180	Resp:	117731
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.9	143.8
145	29.2	14.7	44.1

