

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012119\
 Data File : VN053499.D
 Acq On : 21 Jan 2019 11:52
 Operator : JC/SP
 Sample : VN0121WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 9:47:25 AM

Quant Time: Jan 22 04:41:11 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	7.66	168	757174	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1124888	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1013764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	497716	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	381643	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
35) Dibromofluoromethane	7.59	113	346720	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	
50) Toluene-d8	10.09	98	1392298	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.40	95	476409	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	118486	19.463	ug/l	99
3) Chloromethane	2.06	50	161568	18.563	ug/l	99
4) Vinyl Chloride	2.19	62	161028	19.193	ug/l	98
5) Bromomethane	2.57	94	112812	19.596	ug/l	96
6) Chloroethane	2.71	64	99572	19.629	ug/l	97
7) Trichlorofluoromethane	3.02	101	223850	20.398	ug/l	99
8) Diethyl Ether	3.41	74	81866	19.862	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	141004	20.288	ug/l	99
10) Methyl Iodide	3.96	142	205550	19.353	ug/l	100
11) Tert butyl alcohol	4.77	59	34355	93.814	ug/l	100
12) 1,1-Dichloroethene	3.74	96	132684	19.682	ug/l	95
13) Acrolein	3.61	56	55015	92.725	ug/l	100
14) Allyl chloride	4.33	41	203878	18.619	ug/l	93
15) Acrylonitrile	4.98	53	238396	98.918	ug/l	99
16) Acetone	3.81	43	172400	98.185	ug/l	100
17) Carbon Disulfide	4.06	76	381520	18.715	ug/l	99
18) Methyl Acetate	4.32	43	118475	20.027	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	360309	20.116	ug/l	100
20) Methylene Chloride	4.55	84	156549	19.528	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	144473	20.046	ug/l	99
22) Diisopropyl ether	5.95	45	468372	20.490	ug/l	99
23) Vinyl Acetate	5.89	43	1400388	99.659	ug/l	98
24) 1,1-Dichloroethane	5.85	63	276463	20.458	ug/l	100
25) 2-Butanone	6.83	43	260608	96.314	ug/l	100
26) 2,2-Dichloropropane	6.82	77	206724	20.261	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	167374	20.309	ug/l	100
28) Bromochloromethane	7.19	49	125015	21.000	ug/l	99
29) Tetrahydrofuran	7.21	42	167821	95.272	ug/l	99
30) Chloroform	7.37	83	272245	20.678	ug/l	97
31) Cyclohexane	7.65	56	256853	19.394	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	224264	20.080	ug/l	99
36) 1,1-Dichloropropene	7.79	75	207184	20.224	ug/l	99
37) Ethyl Acetate	6.93	43	113471	19.252	ug/l	98
38) Carbon Tetrachloride	7.77	117	197858	20.400	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	252603	19.950	ug/l	96
40) Benzene	8.04	78	636632	20.450	ug/l	100
41) Methacrylonitrile	7.17	41	60924	17.831	ug/l	92
42) 1,2-Dichloroethane	8.12	62	188223	20.754	ug/l	100
43) Isopropyl Acetate	8.16	43	208848	19.706	ug/l	99
44) Trichloroethene	8.83	130	181869	21.066	ug/l	100
45) 1,2-Dichloropropane	9.12	63	169259	20.527	ug/l	98
46) Dibromomethane	9.21	93	95364	20.130	ug/l	98
47) Bromodichloromethane	9.40	83	201004	20.175	ug/l	98
48) Methyl methacrylate	9.20	41	103107	18.843	ug/l	99
49) 1,4-Dioxane	9.20	88	21794	407.814	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	561164	96.997	ug/l	99
52) Toluene	10.15	92	393966	20.384	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	202173	20.020	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	243444	20.565	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	136371	20.466	ug/l	99
56) Ethyl methacrylate	10.43	69	164047	18.692	ug/l	100
57) 1,3-Dichloropropane	10.71	76	234428	20.338	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	451771	96.915	ug/l	100
59) 2-Hexanone	10.75	43	385150	94.834	ug/l	98
60) Dibromochloromethane	10.90	129	154808	20.484	ug/l	100
61) 1,2-Dibromoethane	11.00	107	134415	19.946	ug/l	98
64) Tetrachloroethene	10.63	164	203435	21.294	ug/l	99
65) Chlorobenzene	11.43	112	442128	20.604	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	158223	21.196	ug/l	97
67) Ethyl Benzene	11.51	91	741969	20.289	ug/l	99
68) m/p-Xylenes	11.62	106	578732	41.916	ug/l	98
69) o-Xylene	11.95	106	278710	20.774	ug/l	98
70) Styrene	11.96	104	456518	20.966	ug/l	100
71) Bromoform	12.12	173	103279	20.096	ug/l #	98
73) Isopropylbenzene	12.25	105	739146	20.279	ug/l	100
74) N-amyl acetate	12.07	43	177941	18.314	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	142046	18.582	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	125853m	19.188	ug/l	
77) Bromobenzene	12.53	156	193708	20.169	ug/l	99
78) n-propylbenzene	12.59	91	850863	20.337	ug/l	100
79) 2-Chlorotoluene	12.67	91	504108	20.328	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	611675	20.626	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	44307	18.763	ug/l	96
82) 4-Chlorotoluene	12.77	91	513908	20.321	ug/l	100
83) tert-Butylbenzene	12.99	119	544963	20.806	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	625683	20.925	ug/l	99
85) sec-Butylbenzene	13.17	105	737799	20.539	ug/l	100
86) p-Isopropyltoluene	13.29	119	648584	20.795	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	350424	20.742	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	346146	20.426	ug/l	100
89) n-Butylbenzene	13.61	91	541926	20.384	ug/l	99
90) Hexachloroethane	13.87	117	98259	20.087	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	333095	21.431	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21207	21.880	ug/l	94

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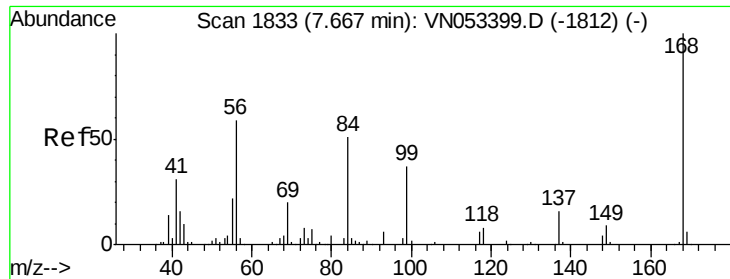
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	143163	22.487	ug/l	99
94) Hexachlorobutadiene	15.01	225	113500	23.410	ug/l	99
95) Naphthalene	15.13	128	217930	20.625	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	100803	22.424	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

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Instrument :

MSVOA_N

ClientSampleId :

VN0121WBS01

Tot Ion:168 Resp: 757174

Ion Ratio Lower Upper

168 100

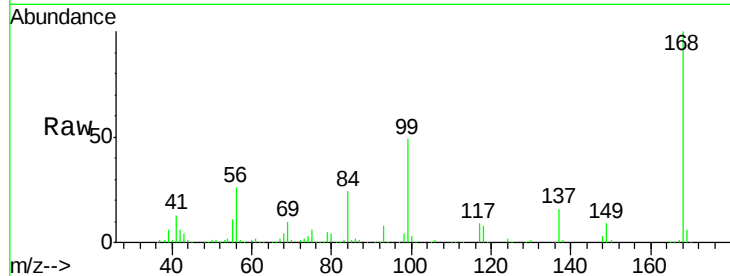
99 49.0 39.1 58.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

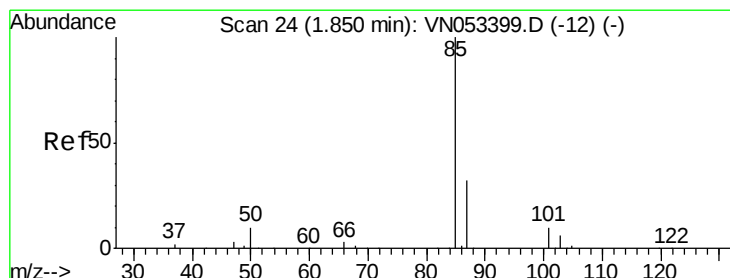
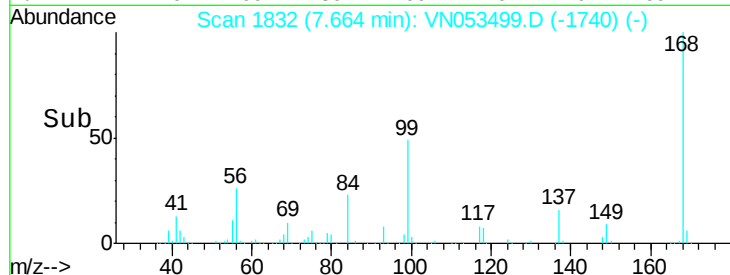
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200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.463 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053499.D

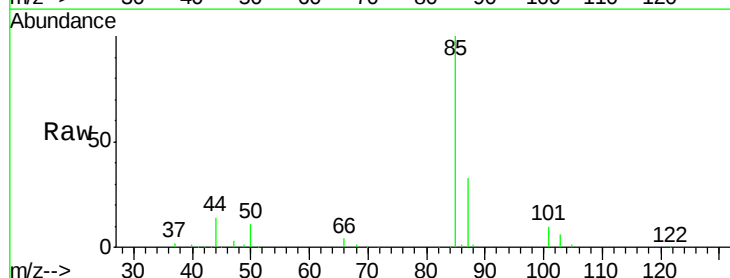
Acq: 21 Jan 2019 11:52

Tgt Ion: 85 Resp: 118486

Ion Ratio Lower Upper

85 100

87 33.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

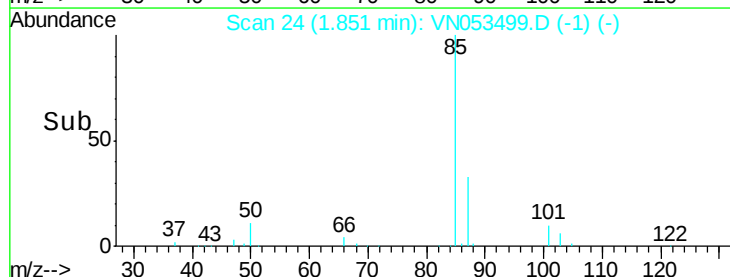
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40000

20000

0

Time-->





#3

Chloromethane

Concen: 18.563 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBS01

Tot Ion: 50 Resp: 161568

Ion Ratio Lower Upper

50 100

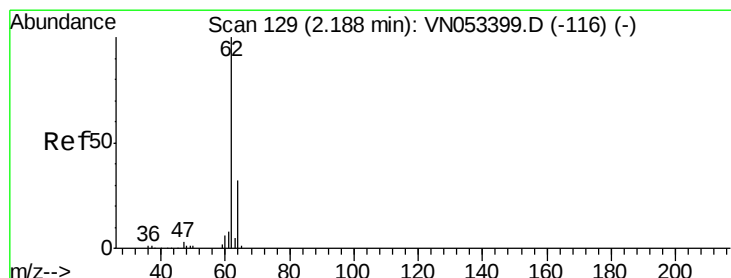
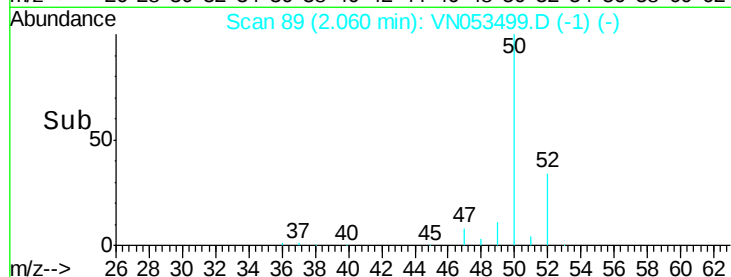
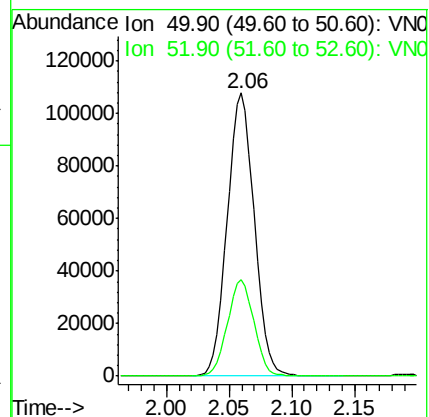
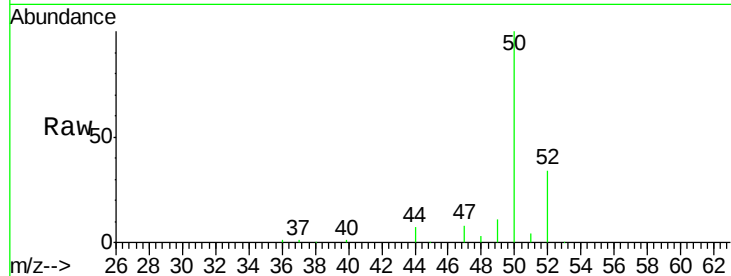
52 34.1 26.6 40.0

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#4

Vinyl Chloride

Concen: 19.193 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053499.D

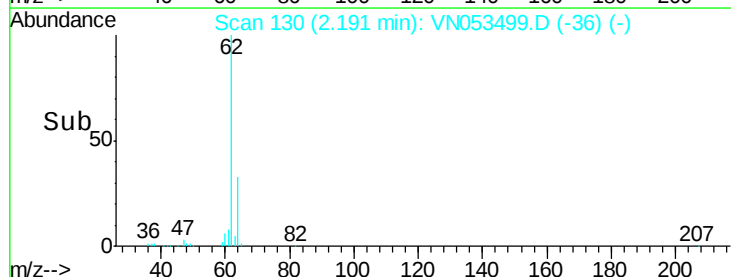
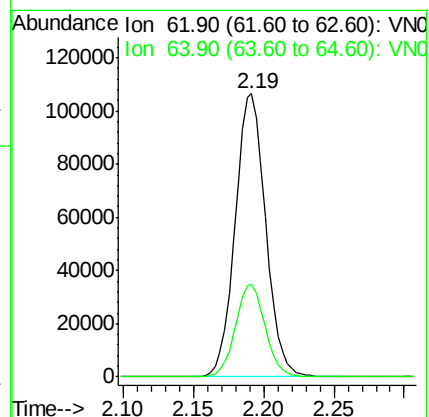
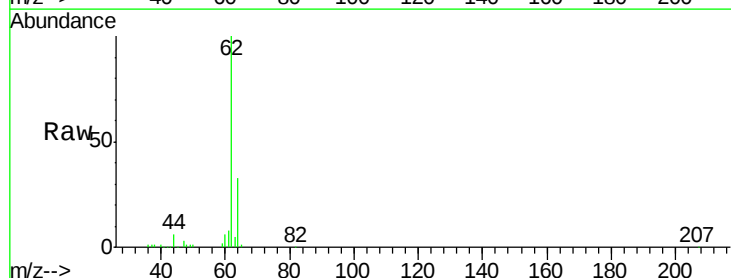
Acq: 21 Jan 2019 11:52

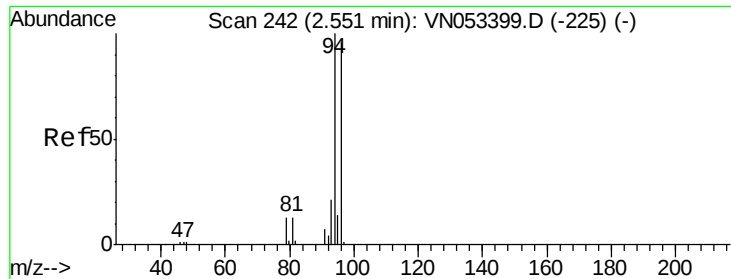
Tgt Ion: 62 Resp: 161028

Ion Ratio Lower Upper

62 100

64 32.9 25.4 38.2





#5

Bromomethane

Concen: 19.596 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.02 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Instrument :

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ClientSampleId :

VN0121WBS01

Tot Ion: 94 Resp: 112812

Ion Ratio Lower Upper

94 100

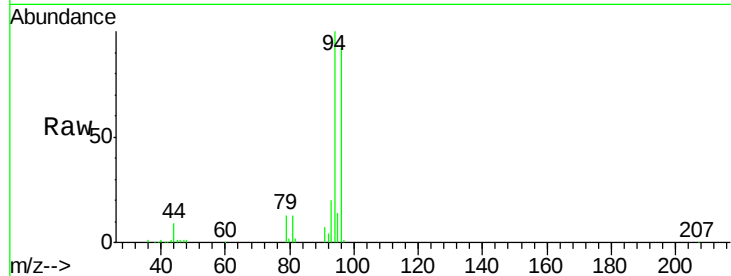
96 92.0 76.8 115.2

Manual Integrations

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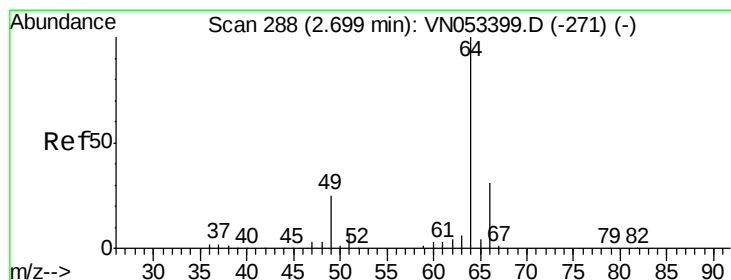
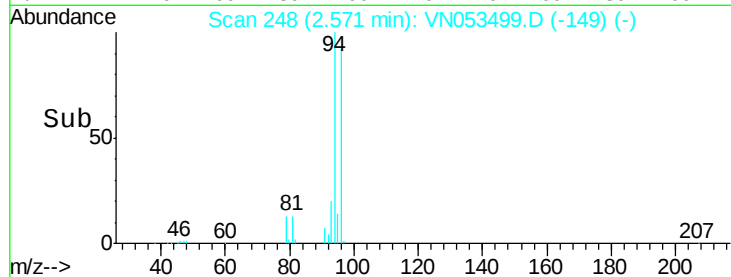
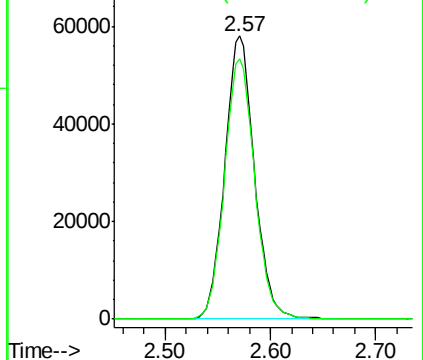
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.629 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN053499.D

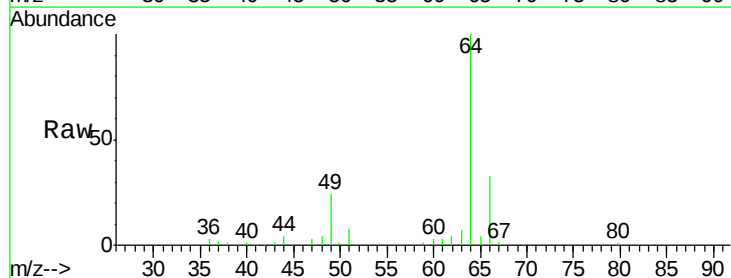
Acq: 21 Jan 2019 11:52

Tgt Ion: 64 Resp: 99572

Ion Ratio Lower Upper

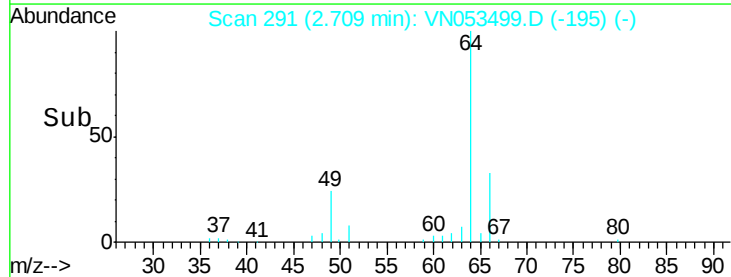
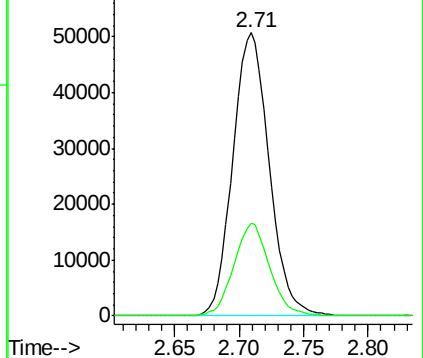
64 100

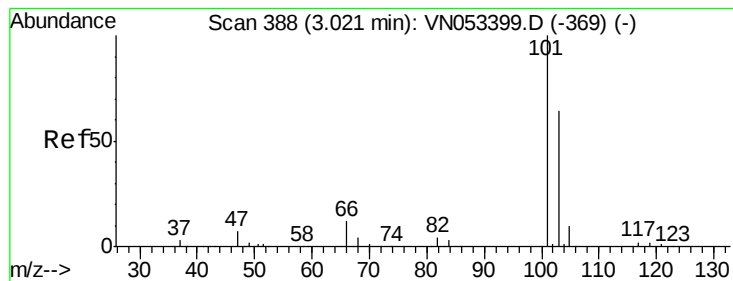
66 32.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

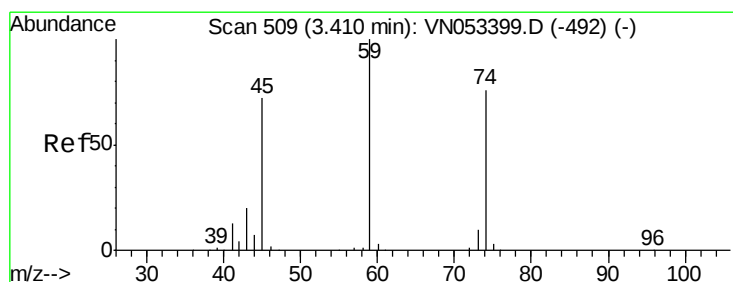
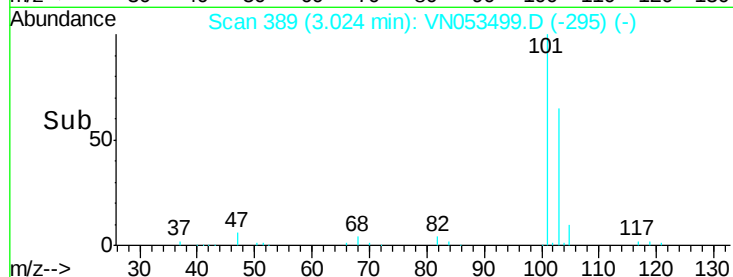
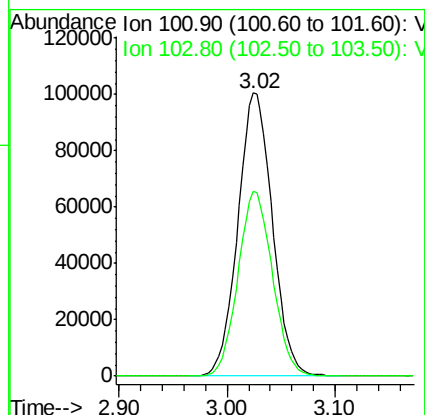
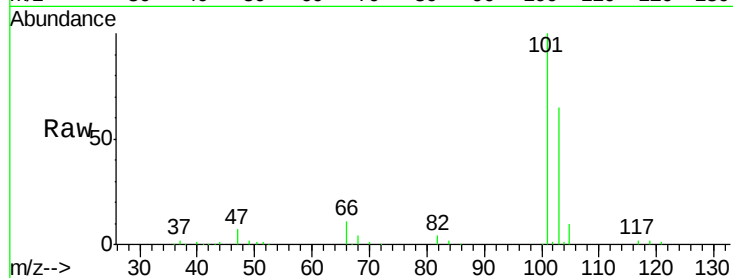
Trichlorofluoromethane
 Concen: 20.398 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053499.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.6	77.4

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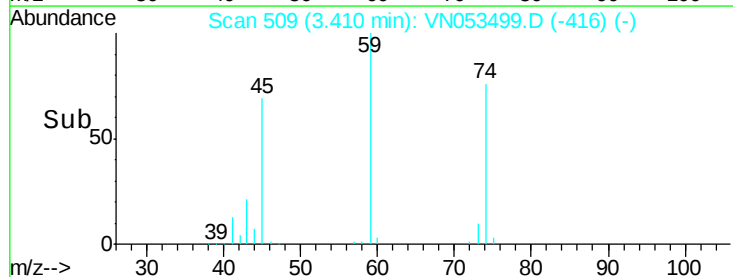
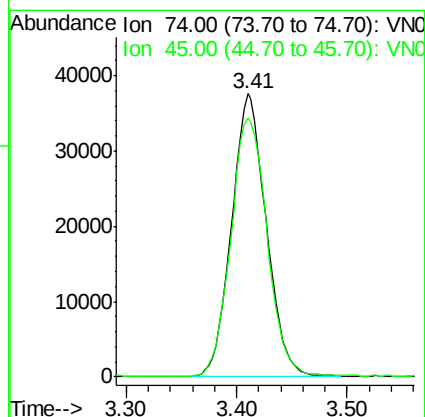
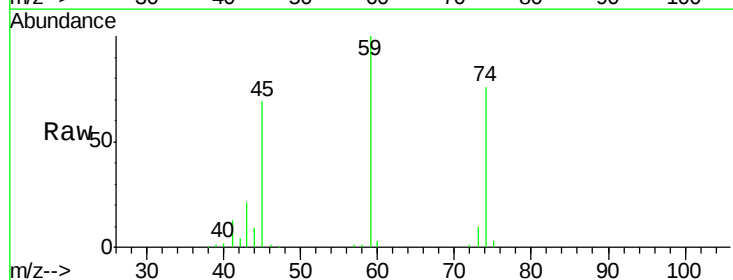
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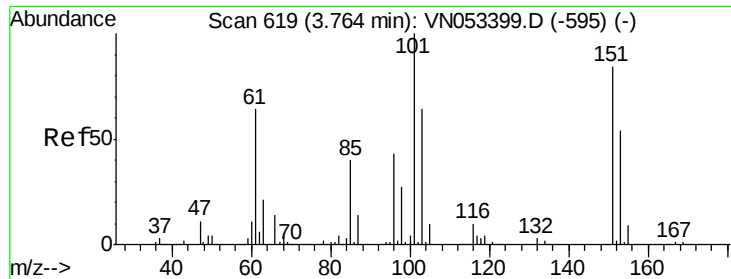


#8

Diethyl Ether
 Concen: 19.862 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053499.D
 Acq: 21 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.0	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.288 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Instrument :

MSVOA_N

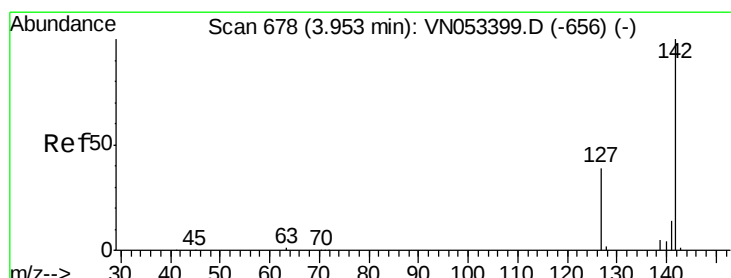
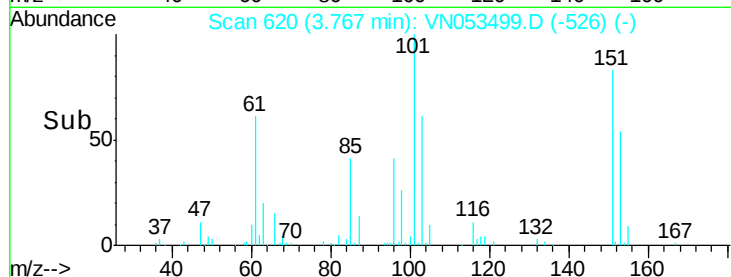
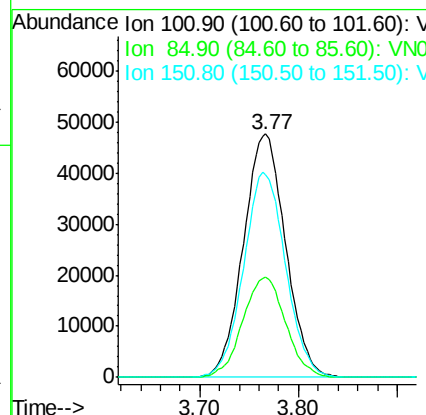
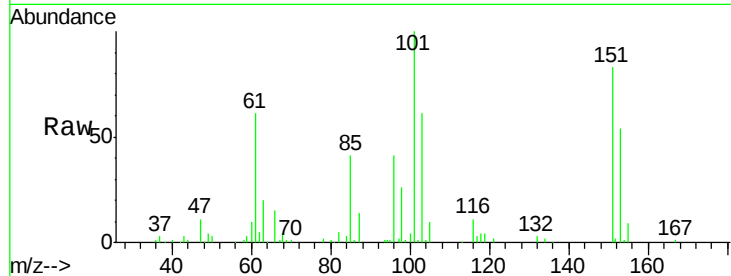
ClientSampleId :

VN0121WBS01

Tot Ion:	101	Resp:	141004
Ion Ratio	Lower	Upper	
101	100		
85	41.7	32.8	49.2
151	83.9	66.9	100.3

Manual Integrations
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#10

Methyl Iodide

Concen: 19.353 ug/l

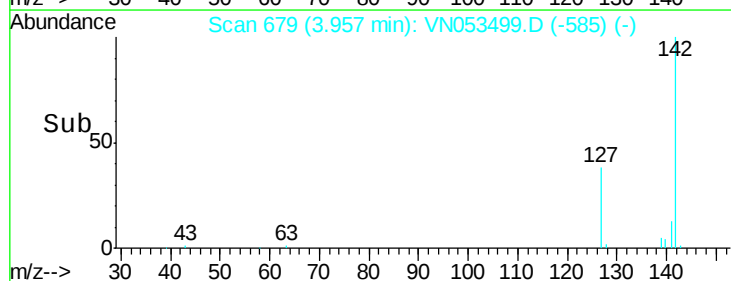
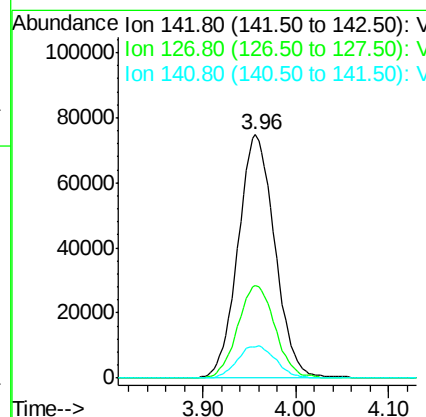
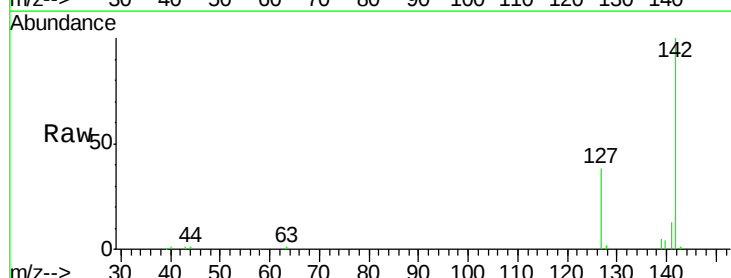
RT: 3.96 min Scan# 679

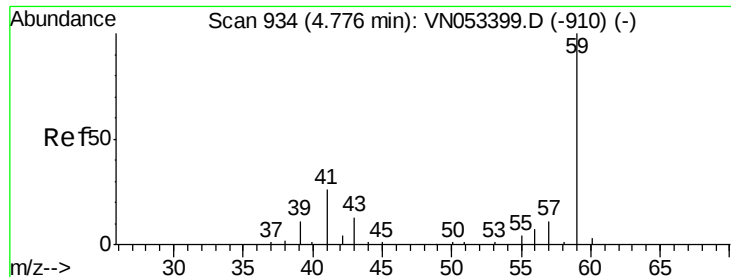
Delta R.T. 0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Tgt Ion:	142	Resp:	205550
Ion Ratio	Lower	Upper	
142	100		
127	38.8	31.0	46.4
141	13.8	11.1	16.7





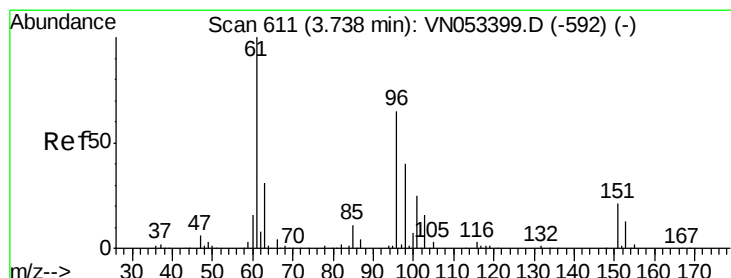
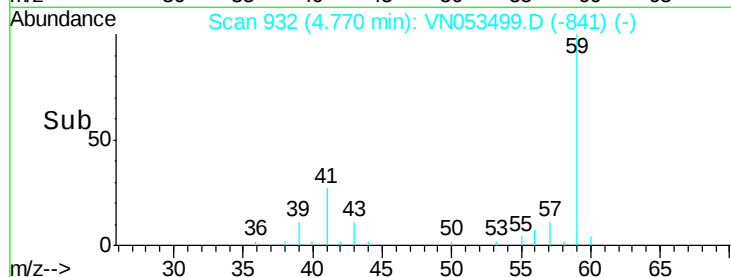
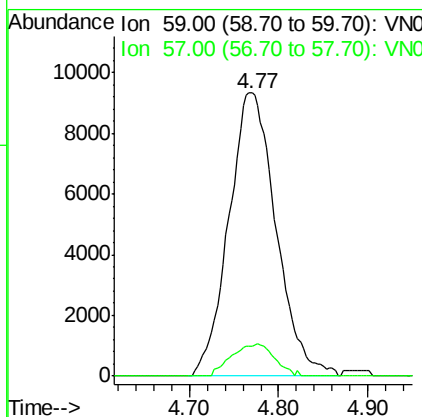
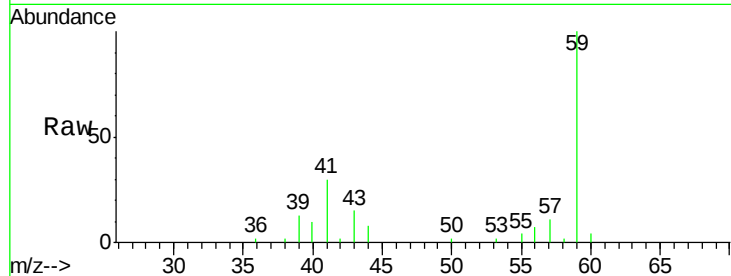
#11
Tert butyl alcohol
Concen: 93.814 ug/l
RT: 4.77 min Scan# 932
Delta R.T. -0.01 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBS01

Tot Ion	59	57	Ratio	100	10.4	Resp	34355	Lower	Upper
59	100								
57		10.4						8.2	12.4

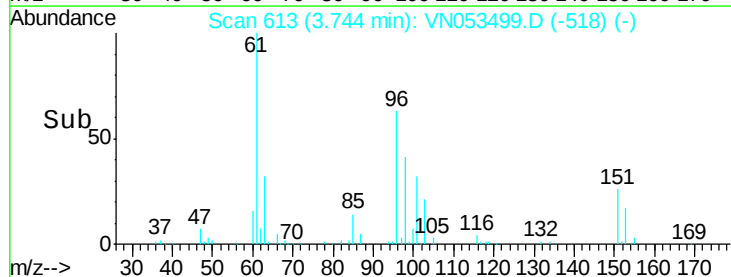
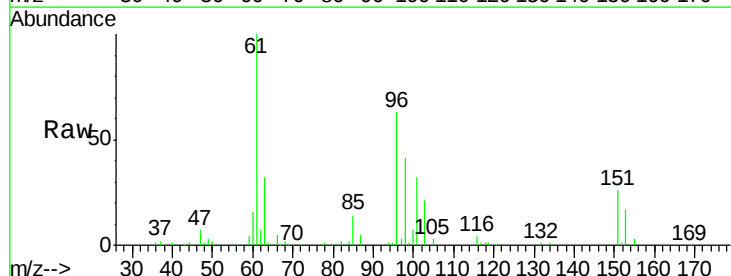
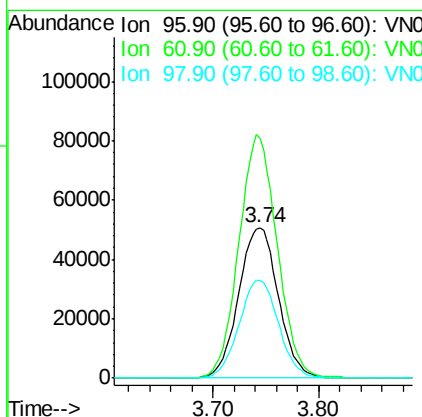
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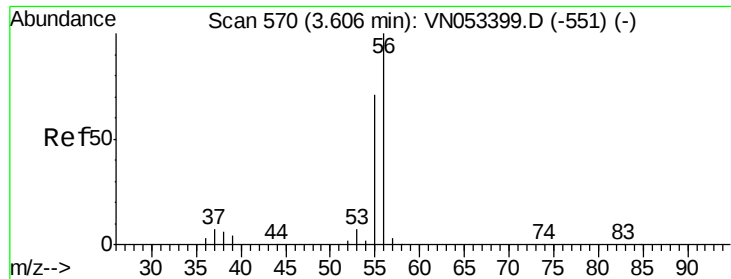
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#12
1,1-Dichloroethene
Concen: 19.682 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Tgt Ion	96	61	98	Ratio	100	159.8	65.4	Resp	132684	Lower	Upper
96	100										
61		159.8								122.9	184.3
98			65.4							49.4	74.0





#13

Acrolein

Concen: 92.725 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBS01

Tot Ion: 56 Resp: 55015

Ion Ratio Lower Upper

56 100

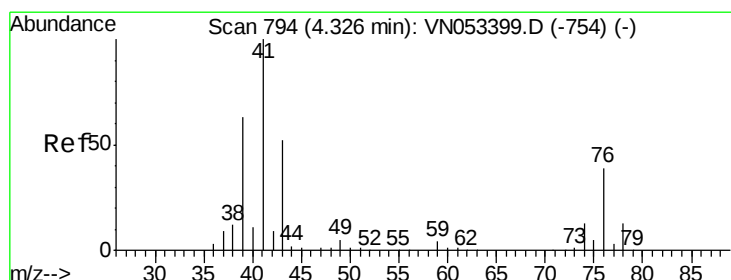
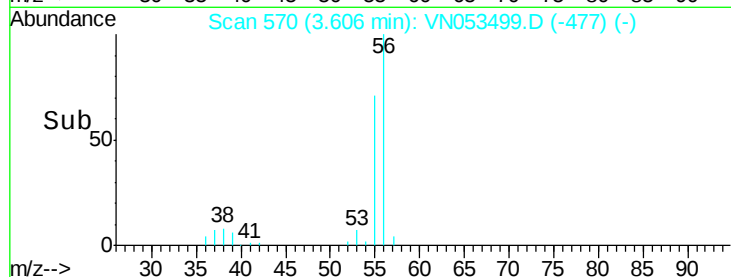
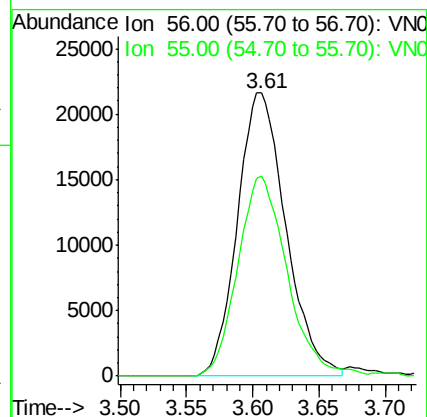
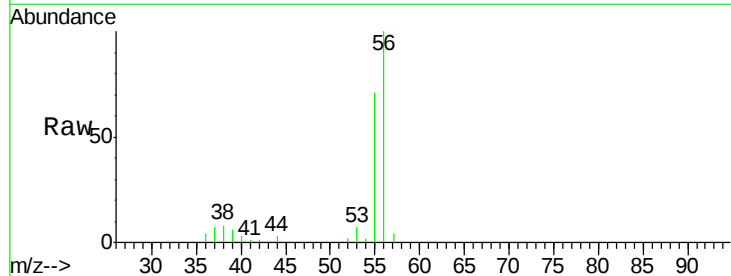
55 72.0 57.4 86.0

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#14

Allyl chloride

Concen: 18.619 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

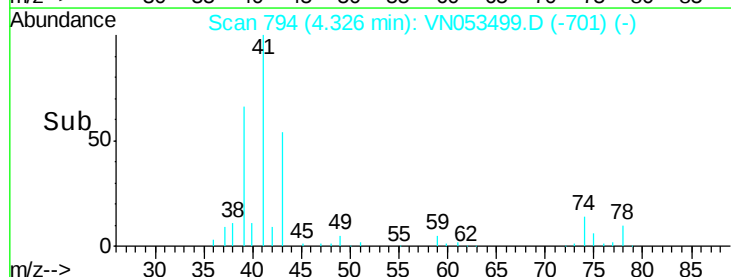
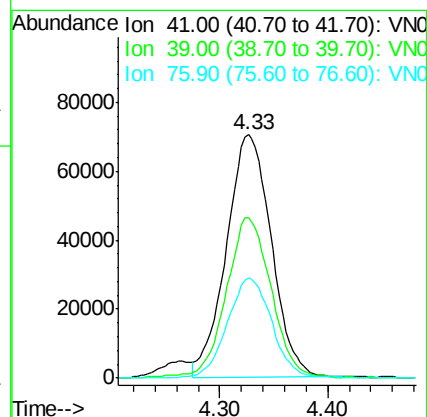
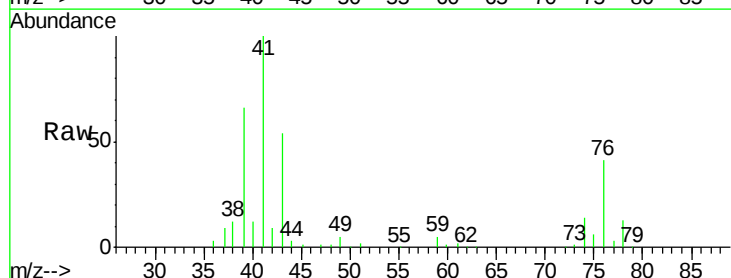
Tgt Ion: 41 Resp: 203878

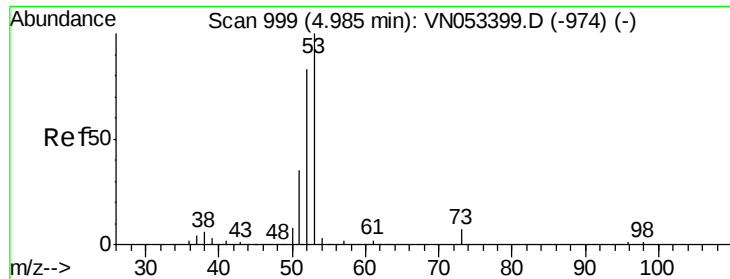
Ion Ratio Lower Upper

41 100

39 66.6 48.9 73.3

76 40.2 29.4 44.2





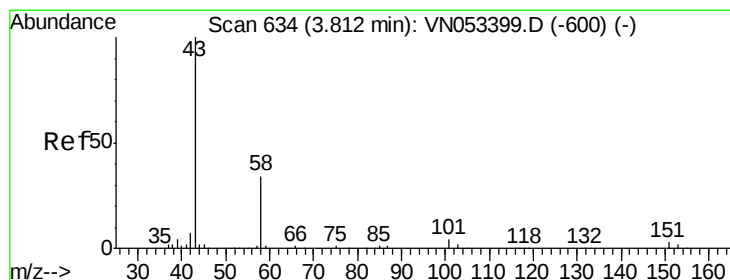
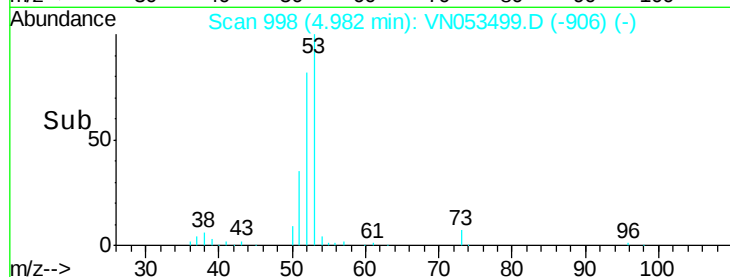
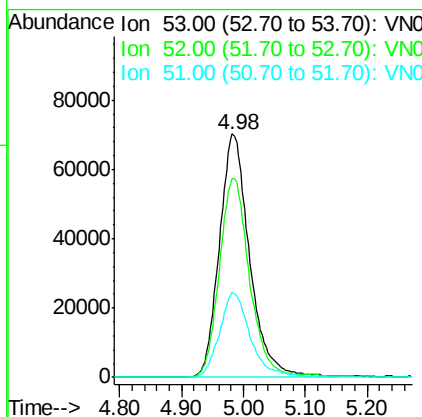
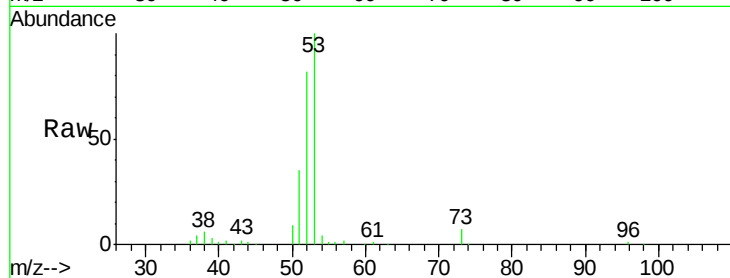
#15
 Acrylonitrile
 Concen: 98.918 ug/l
 RT: 4.98 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VN053499.D
 Acq: 21 Jan 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.0	99.0
51	35.4	28.3	42.5

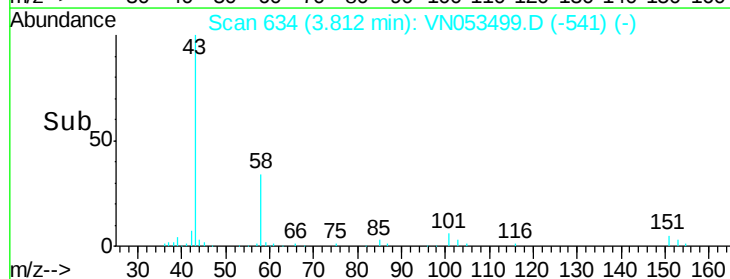
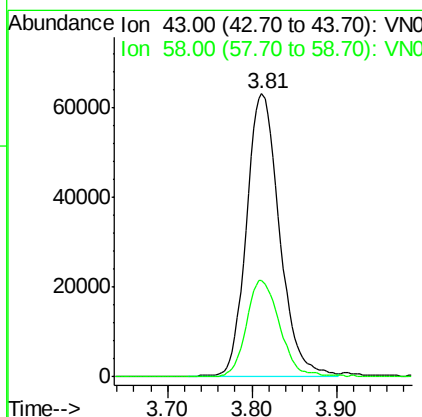
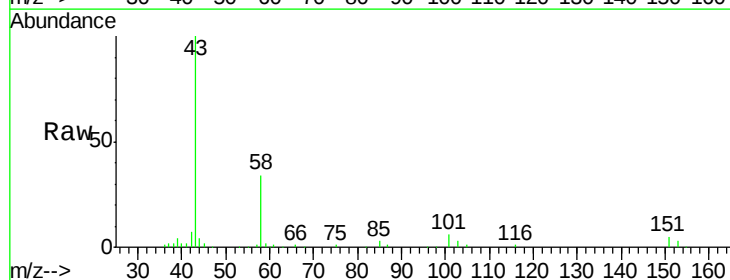
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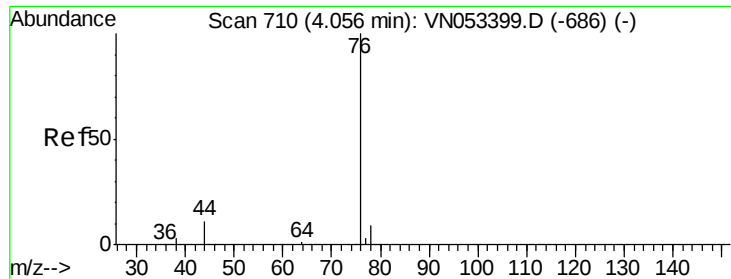
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#16
 Acetone
 Concen: 98.185 ug/l
 RT: 3.81 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VN053499.D
 Acq: 21 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.1	27.1	40.7





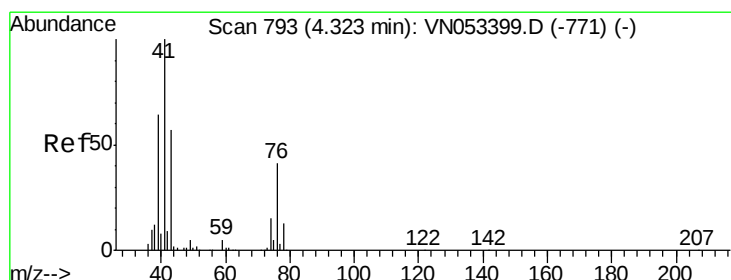
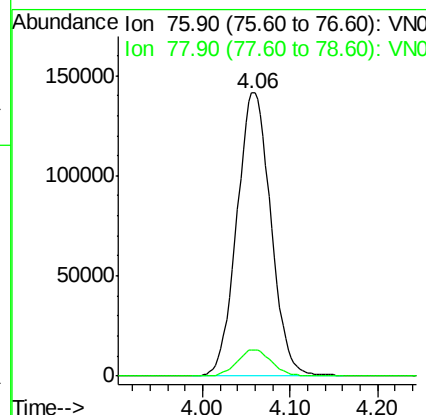
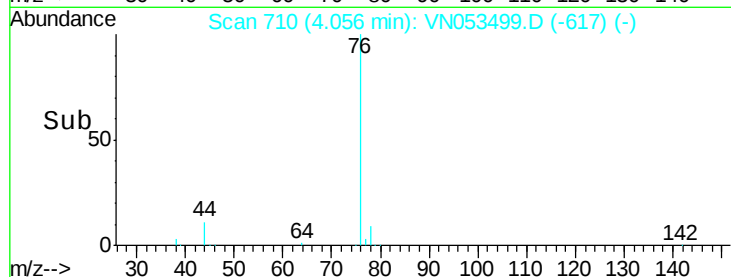
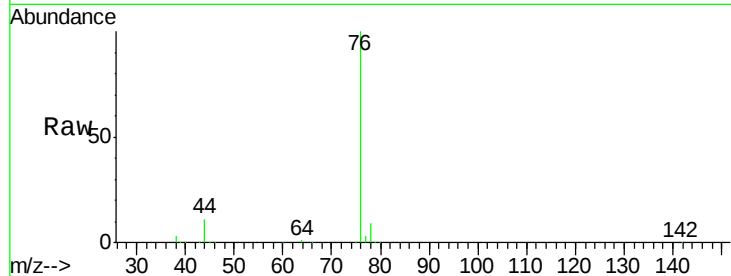
#17
Carbon Disulfide
Concen: 18.715 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

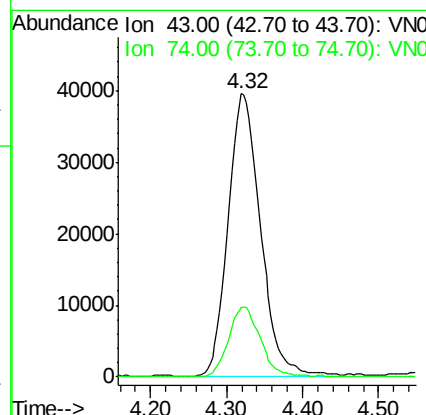
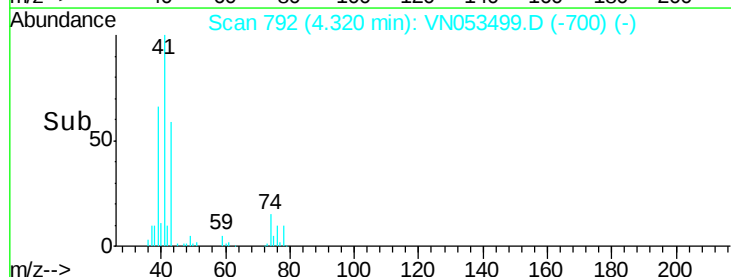
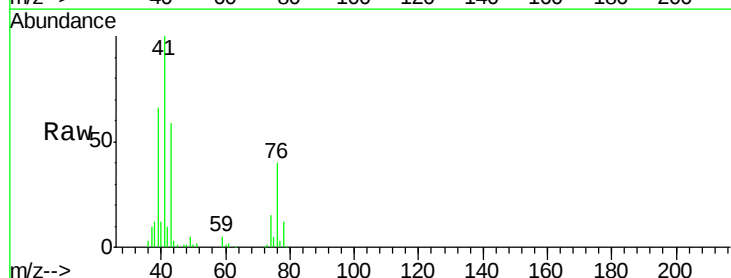
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#18
Methyl Acetate
Concen: 20.027 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.4	29.2





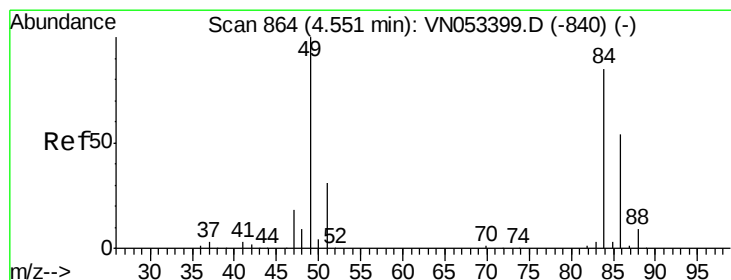
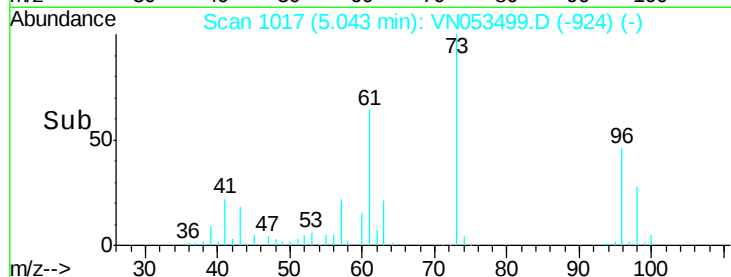
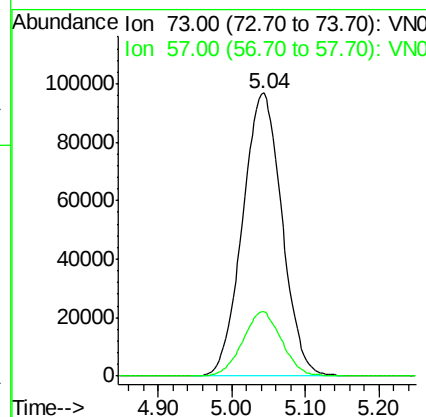
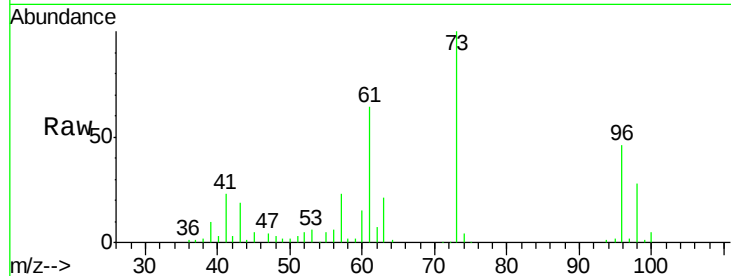
#19
Methvl tert-butvl Ether
Concen: 20.116 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBS01

Tot Ion: 73 Resp: 360309
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5

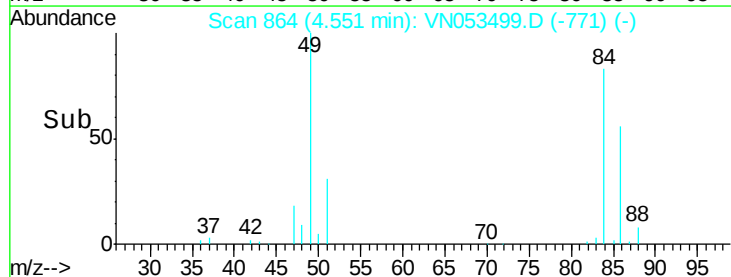
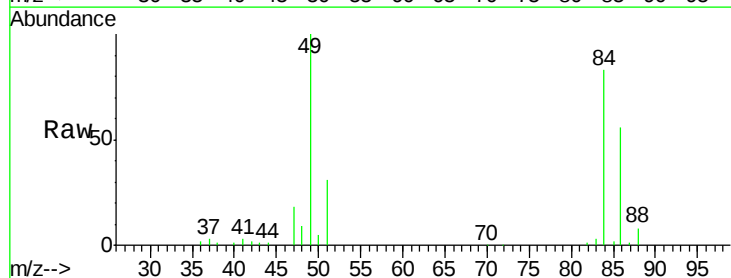
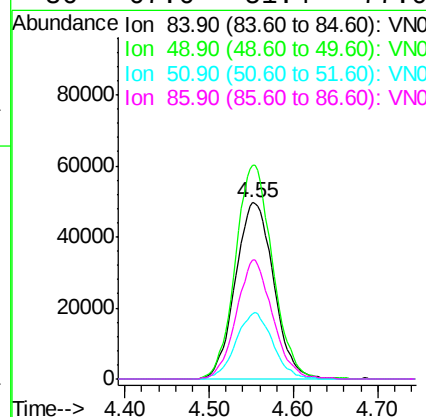
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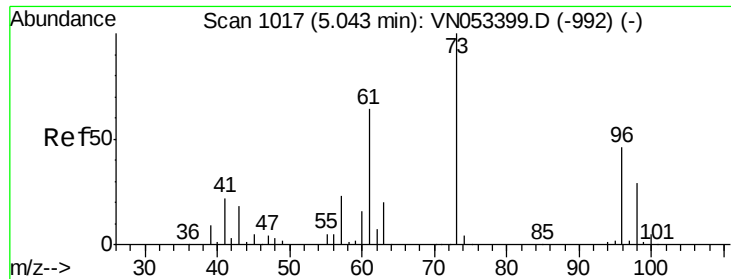
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#20
Methylene Chloride
Concen: 19.528 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Tgt Ion: 84 Resp: 156549
Ion Ratio Lower Upper
84 100
49 121.2 94.3 141.5
51 37.1 29.4 44.2
86 67.6 51.4 77.0





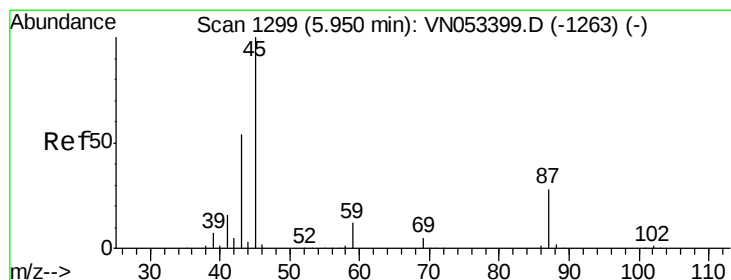
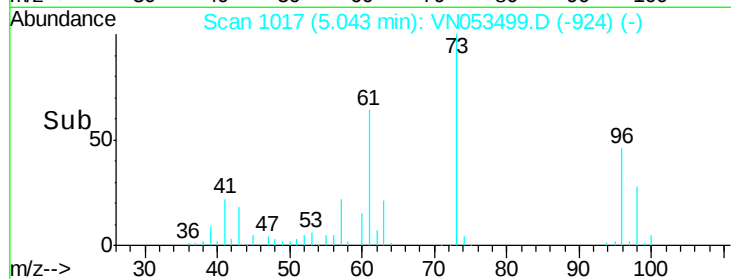
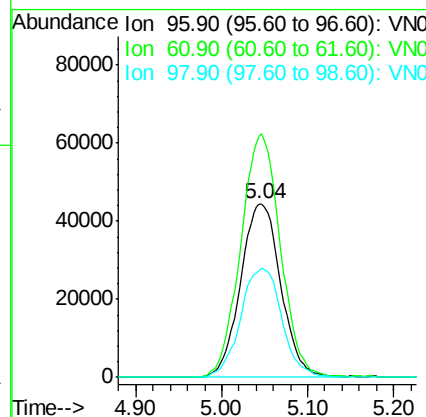
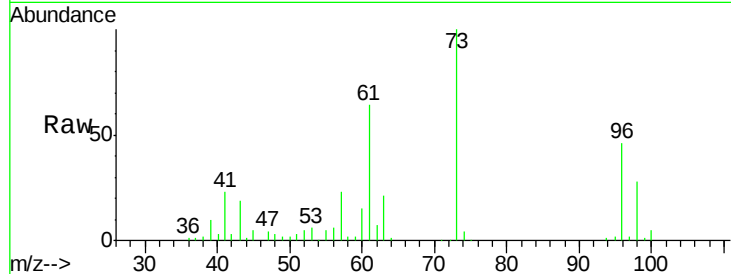
#21
trans-1,2-Dichloroethene
Concen: 20.046 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		144473		
61	139.4	110.1	165.1		
98	61.9	50.0	75.0		

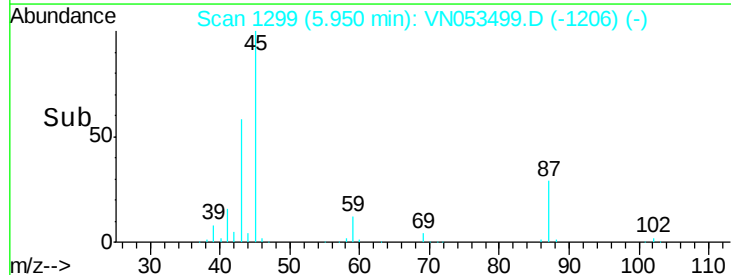
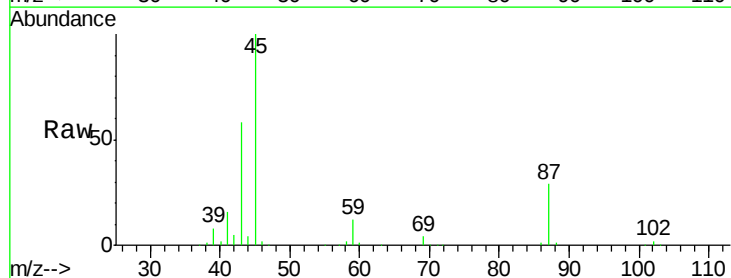
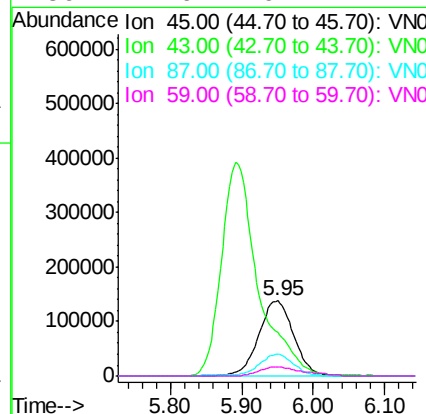
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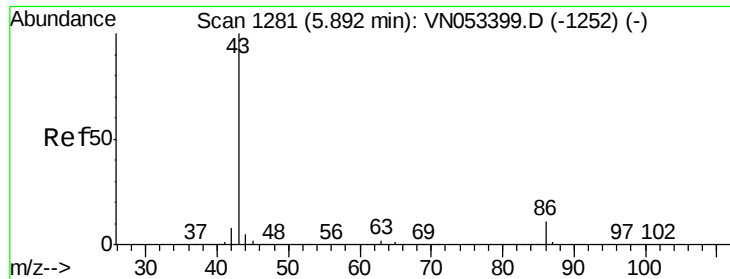
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#22
Diisopropyl ether
Concen: 20.490 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100		468372		
43	56.8	44.2	66.4		
87	28.7	22.7	34.1		
59	11.6	9.4	14.2		





#23

Vinyl Acetate

Concen: 99.659 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBS01

Tot Ion: 43 Resp: 1400388

Ion Ratio Lower Upper

43 100

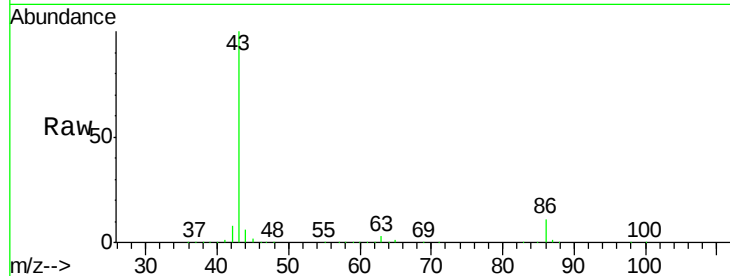
86 11.2 8.4 12.6

Manual Integrations

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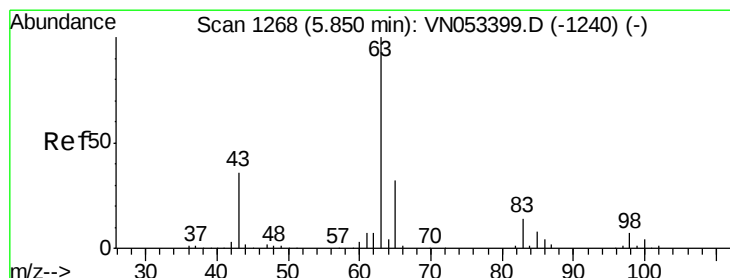
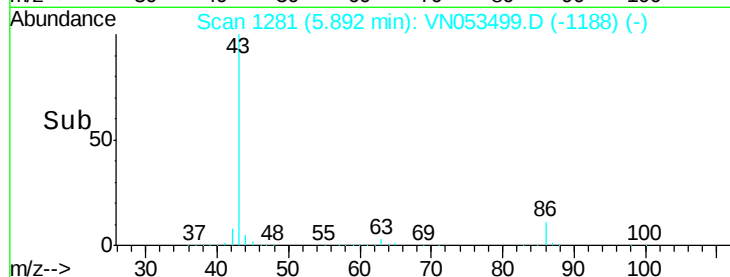
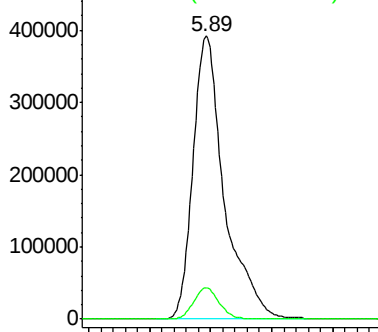
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.458 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

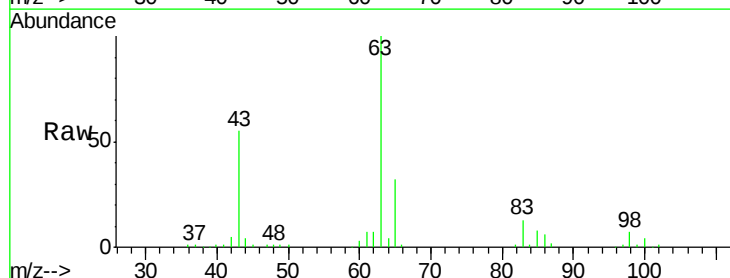
Tgt Ion: 63 Resp: 276463

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

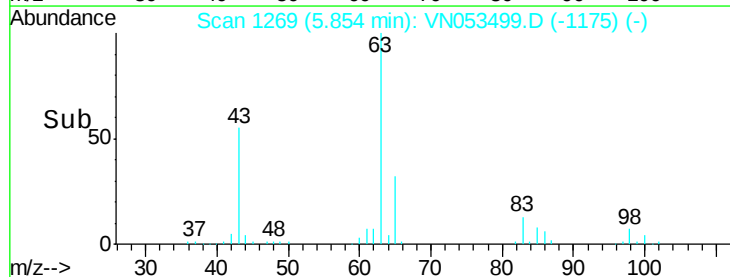
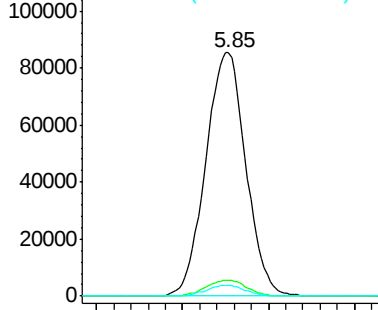
100 4.4 2.1 6.5

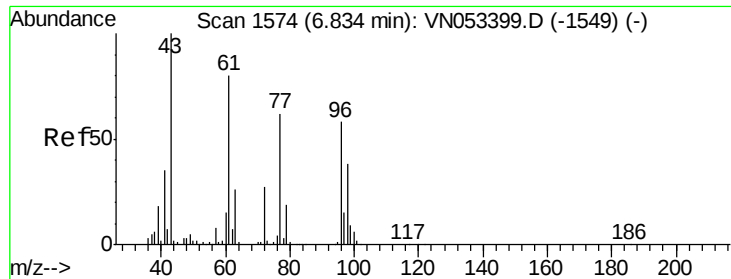


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 96.314 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBS01

Tot Ion: 43 Resp: 260608

Ion Ratio Lower Upper

43 100

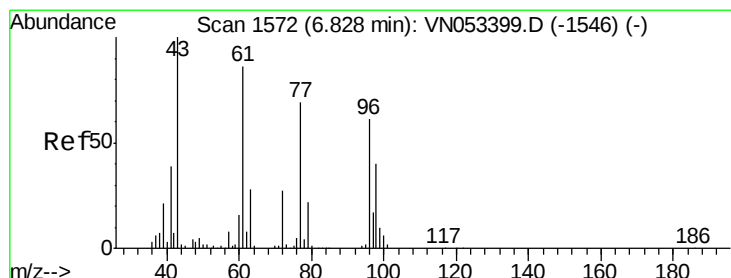
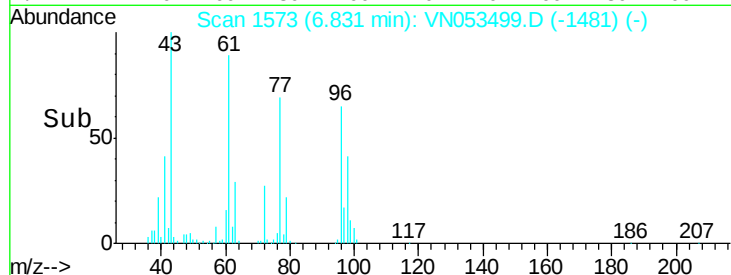
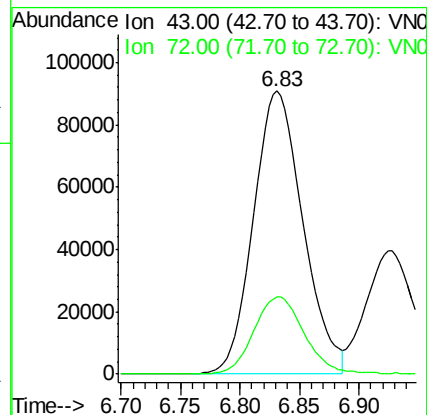
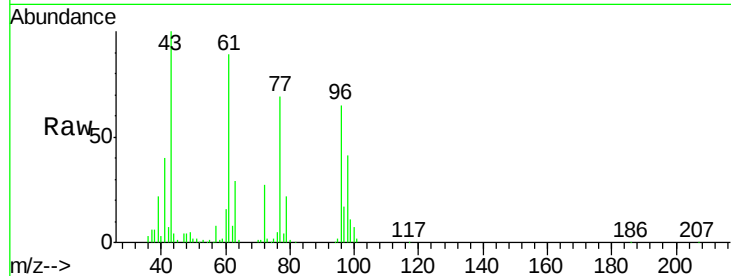
72 27.5 22.0 33.0

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#26

2,2-Dichloropropane

Concen: 20.261 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053499.D

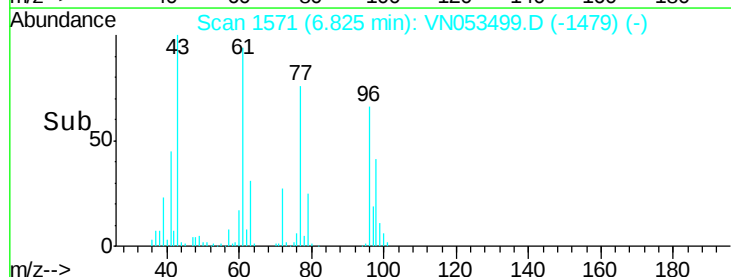
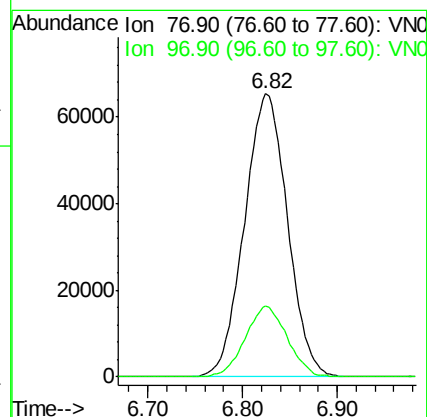
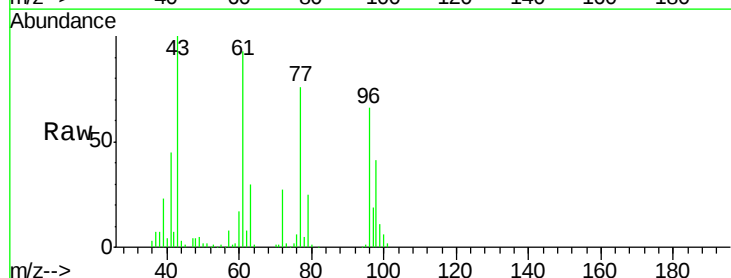
Acq: 21 Jan 2019 11:52

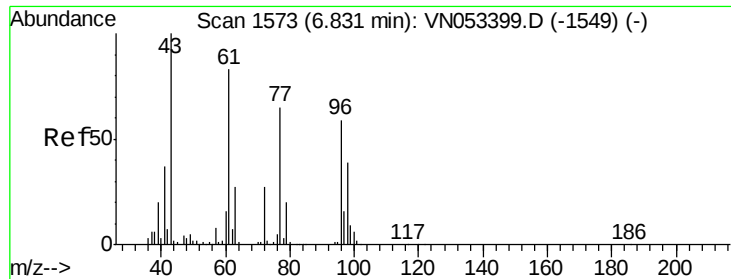
Tgt Ion: 77 Resp: 206724

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.6





#27

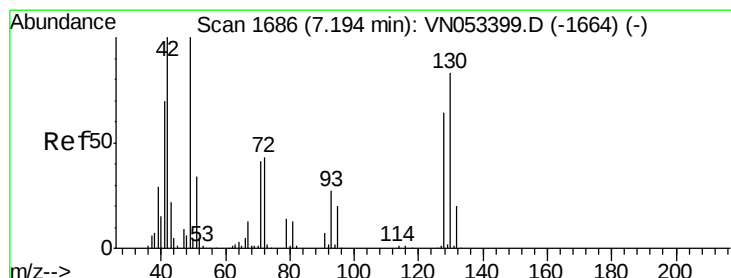
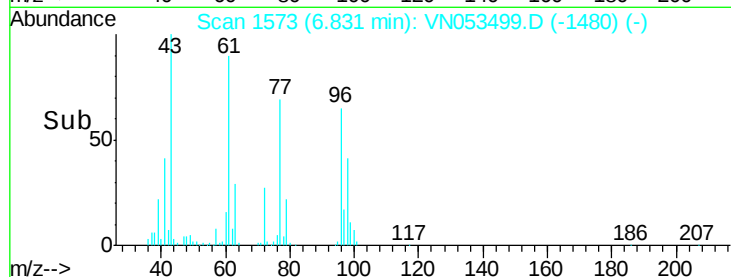
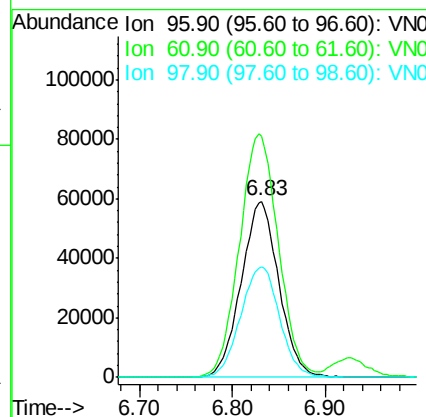
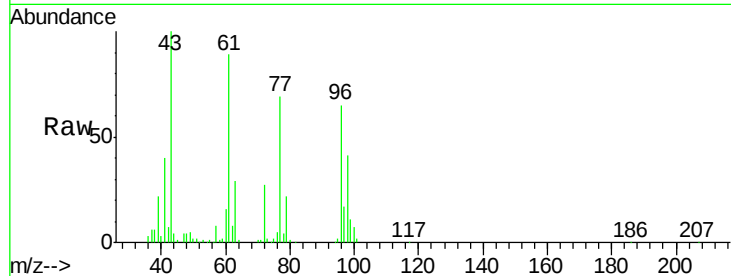
cis-1,2-Dichloroethene
Concen: 20.309 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	283.8
98	64.6	0.0	129.2

Manual Integrations
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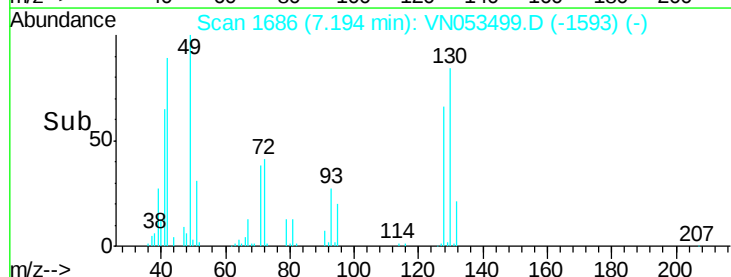
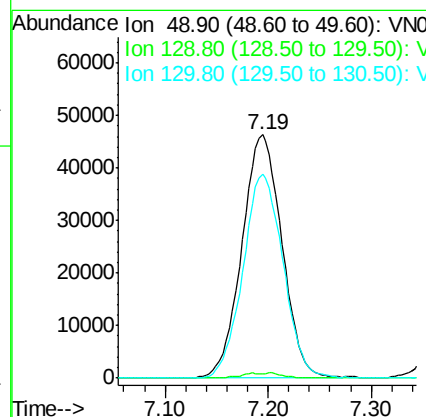
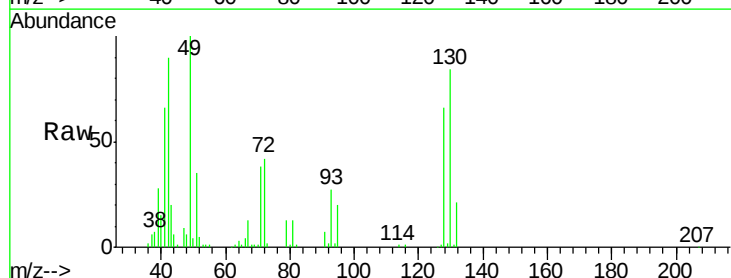
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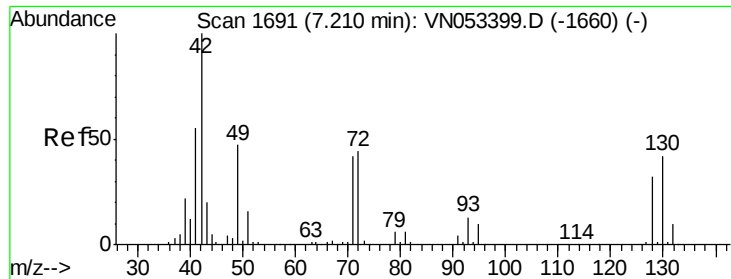


#28

Bromochloromethane
Concen: 21.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.0
130	84.1	66.3	99.5





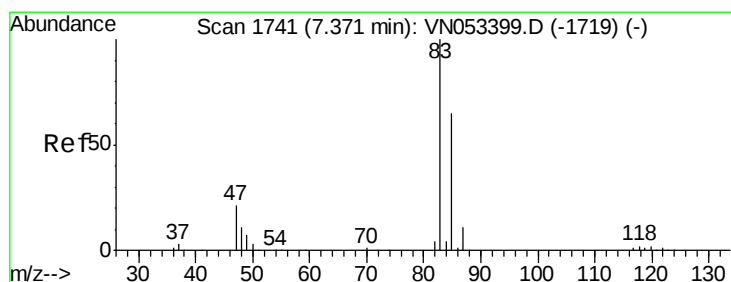
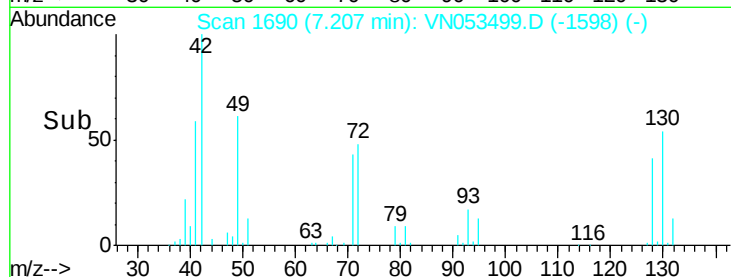
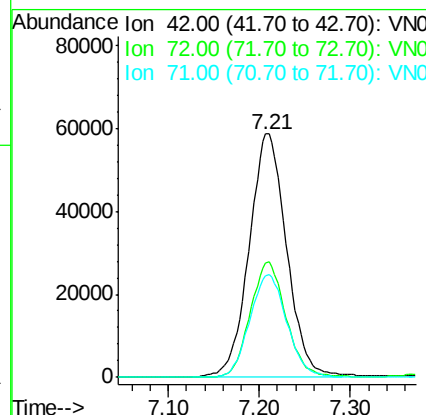
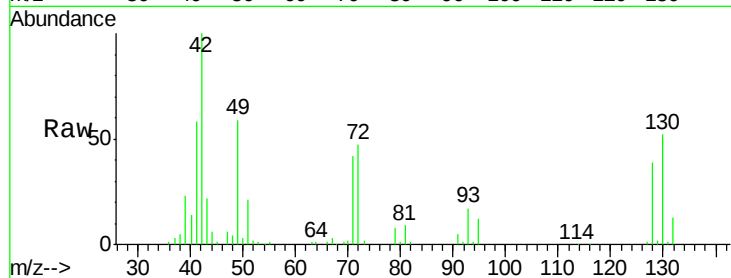
#29
Tetrahydrofuran
Concen: 95.272 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.2	52.8
71	41.8	33.0	49.4

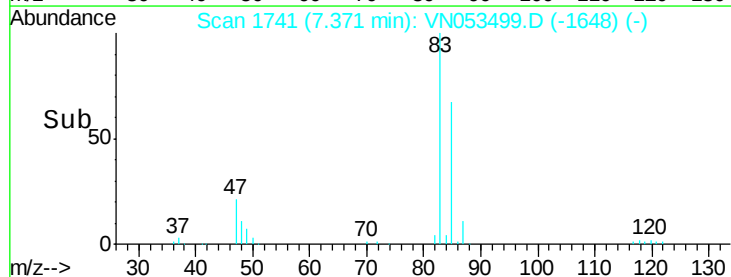
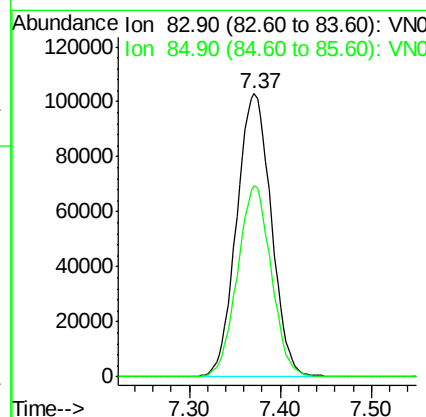
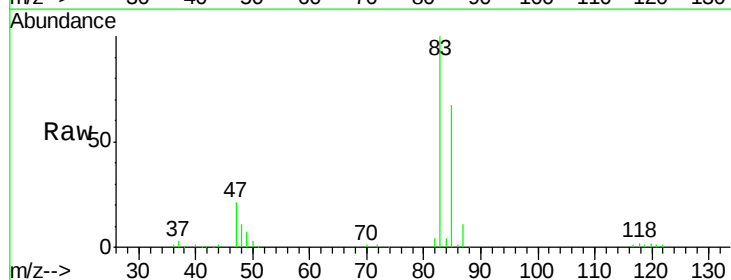
Manual Integrations
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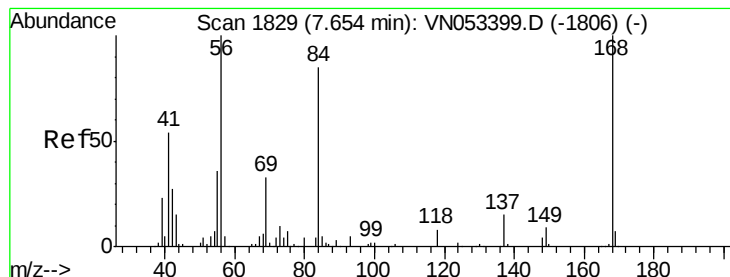
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#30
Chloroform
Concen: 20.678 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.2	78.2





#31

Cyclohexane

Concen: 19.394 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Instrument :

MSVOA_N

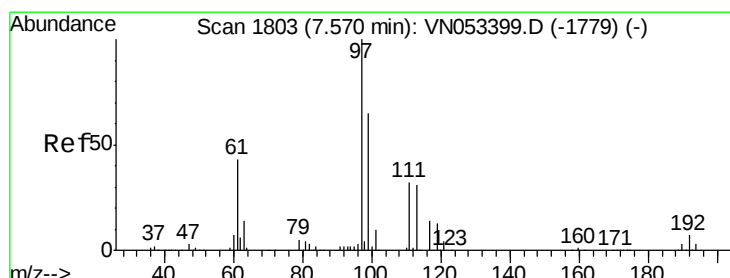
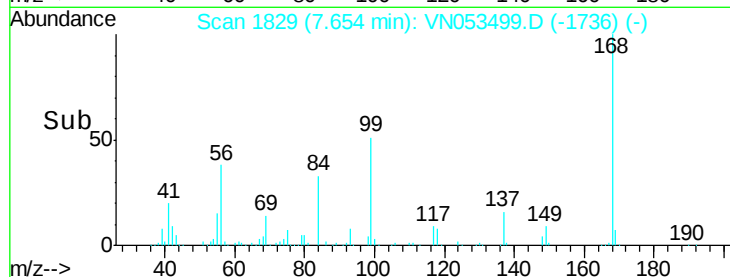
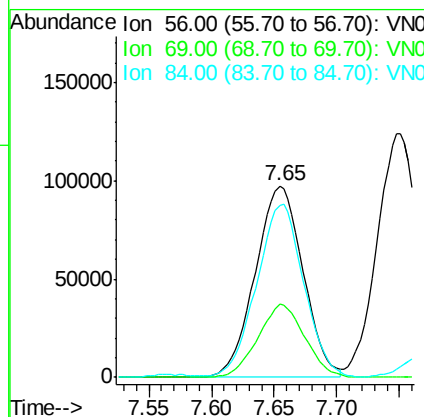
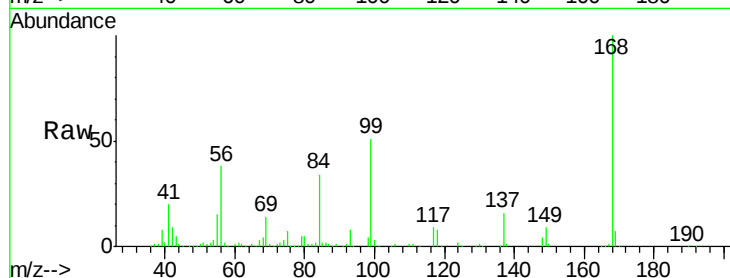
ClientSampleId :

VN0121WBS01

Tot Ion:	56	Resp:	256853
Ion Ratio	Lower	Upper	
56	100		
69	38.1	26.4	39.6
84	89.2	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.080 ug/l

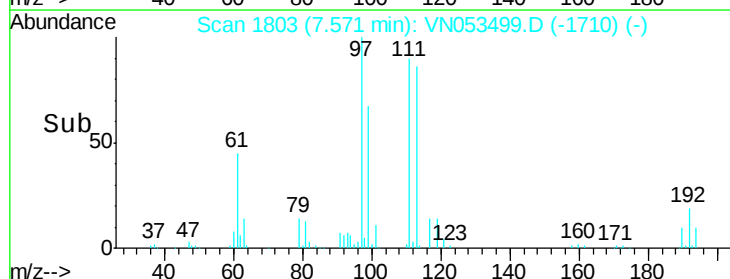
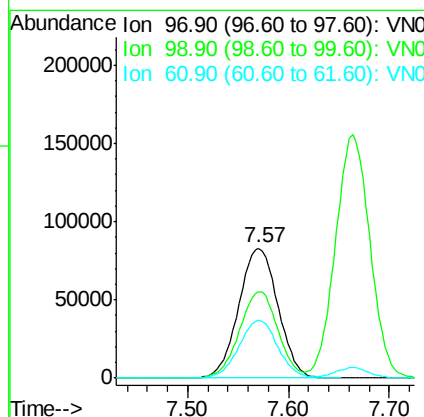
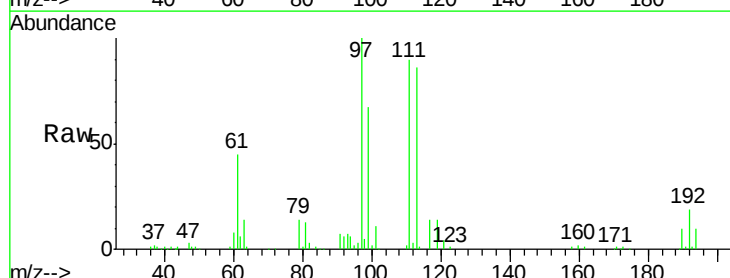
RT: 7.57 min Scan# 1803

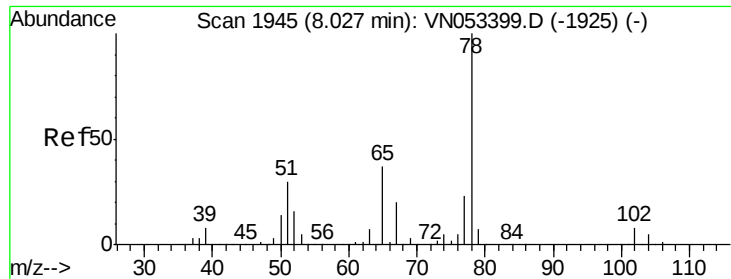
Delta R.T. 0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Tgt Ion:	97	Resp:	224264
Ion Ratio	Lower	Upper	
97	100		
99	65.3	52.0	78.0
61	44.0	34.4	51.6





#33

1,2-Dichloroethane-d4

Concen: 20.080 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBS01

Tot Ion: 65 Resp: 381643

Ion Ratio Lower Upper

65 100

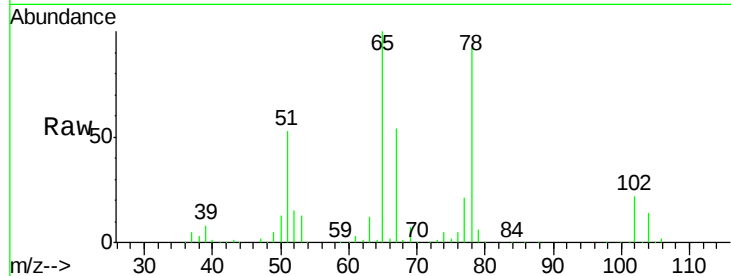
67 54.9 0.0 111.2

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Abundance Ion 64.90 (64.60 to 65.60): VN053399.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN053399.D (-1925) (-)

8.02

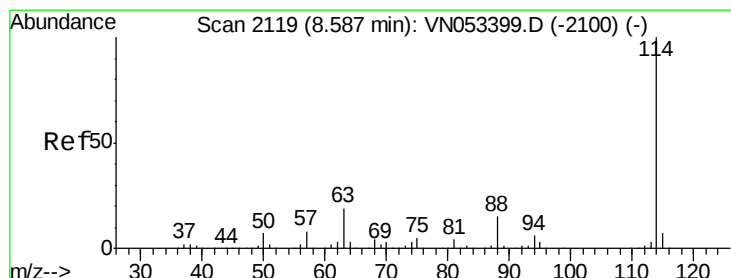
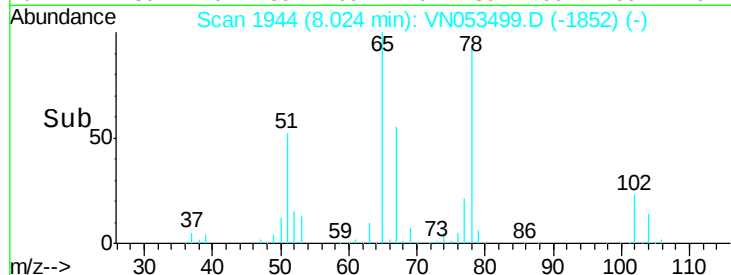
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

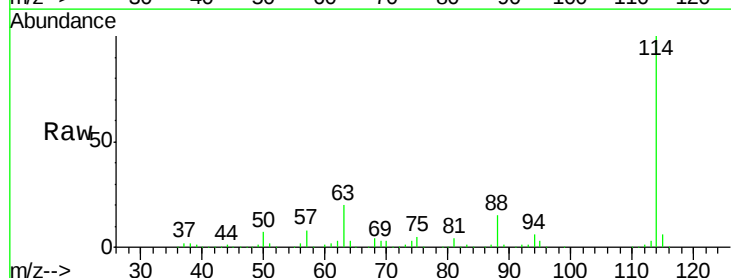
Tgt Ion: 114 Resp: 1124888

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

88 15.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053399.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN053399.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN053399.D (-2100) (-)

8.58

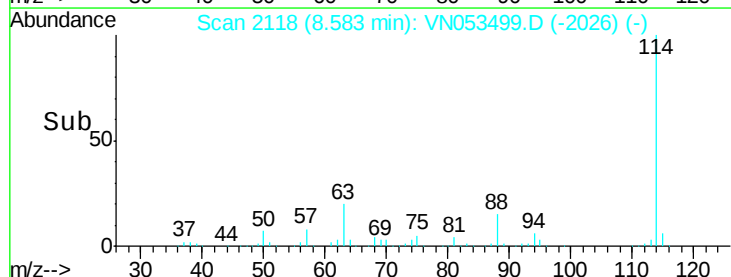
600000

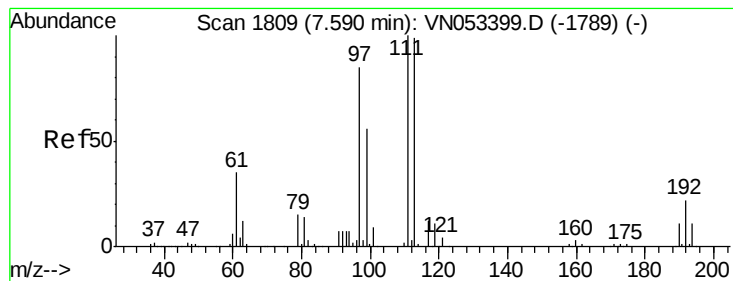
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Instrument :

MSVOA_N

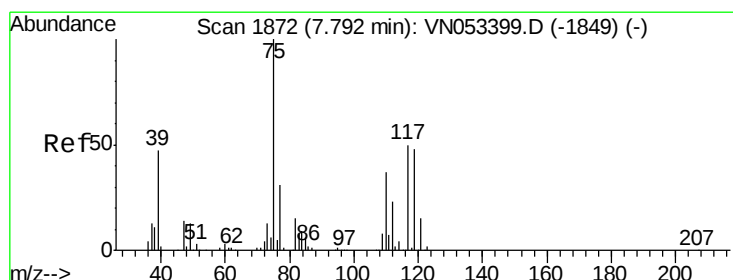
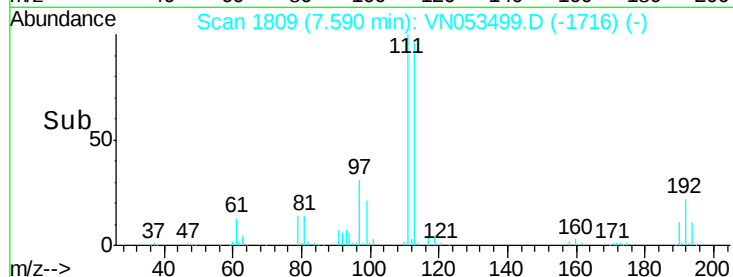
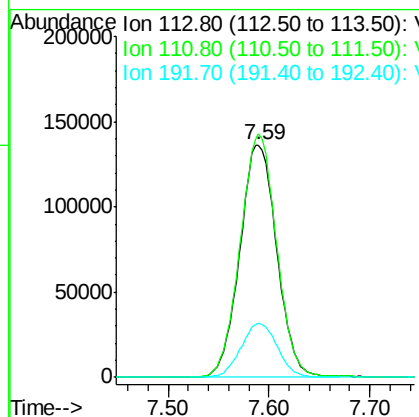
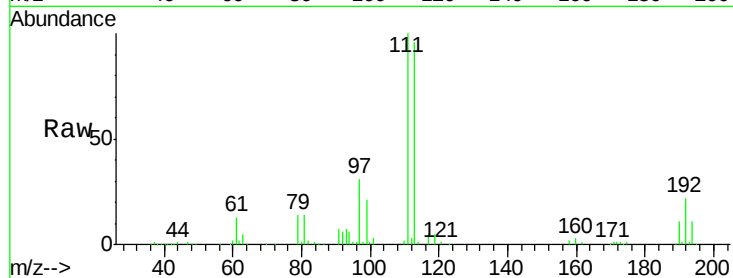
ClientSampleId :

VN0121WBS01

Tot Ion:	113	Resp:	346720
Ion Ratio	Lower	Upper	
113	100		
111	103.3	81.1	121.7
192	23.0	18.2	27.2

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#36

1,1-Dichloropropene

Concen: 20.224 ug/l

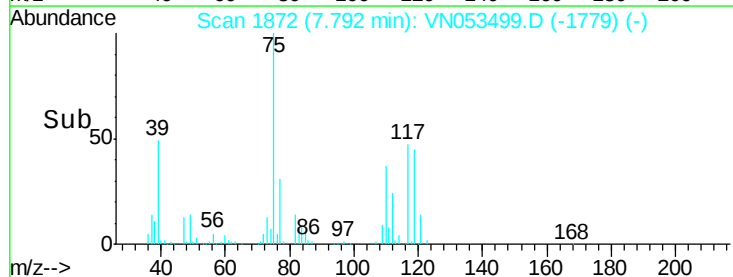
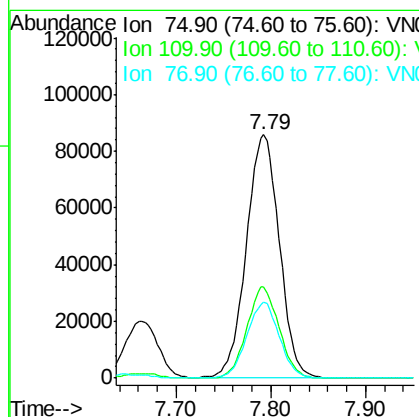
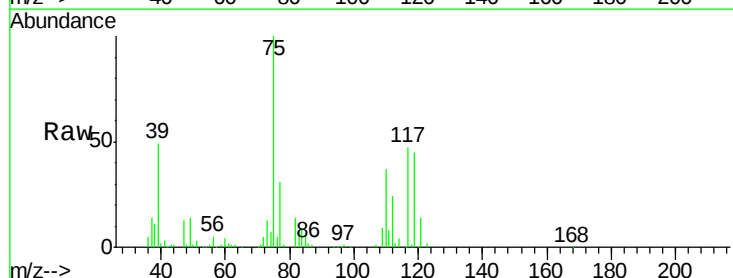
RT: 7.79 min Scan# 1872

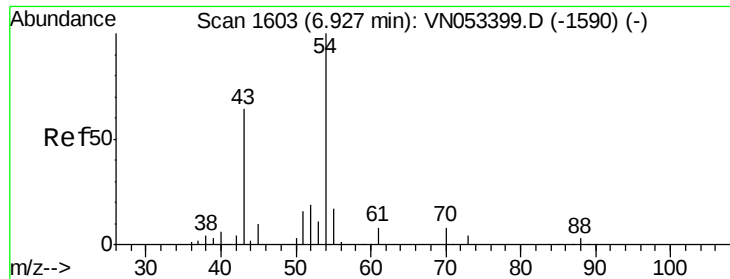
Delta R.T. 0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Tgt Ion:	75	Resp:	207184
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.1	54.3
77	30.8	25.1	37.7





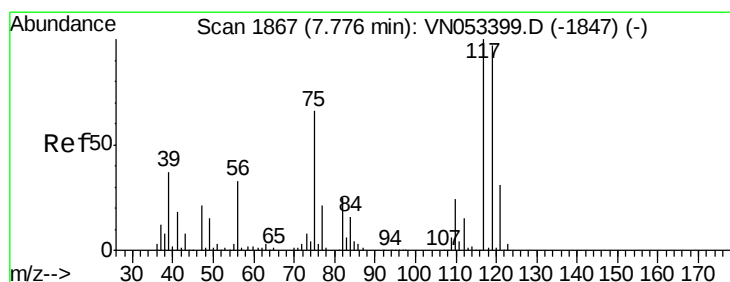
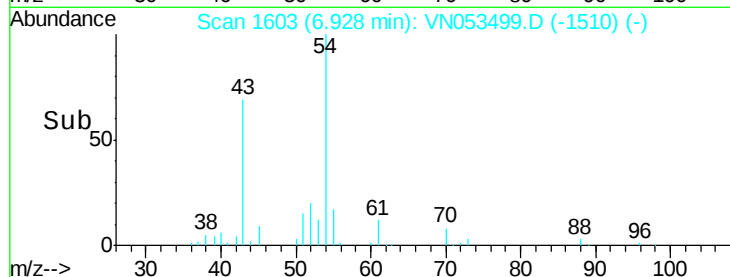
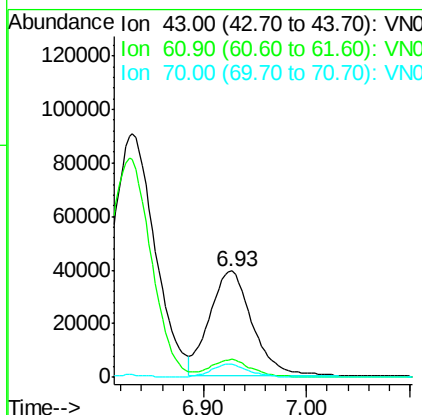
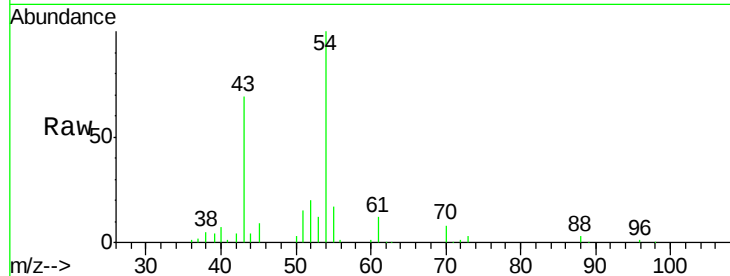
#37
Ethyl Acetate
Concen: 19.252 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.8	17.6
70	11.3	8.6	12.8

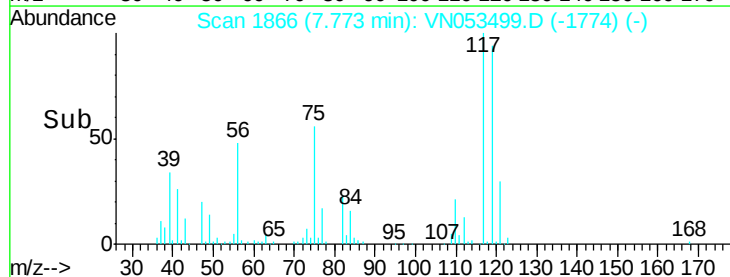
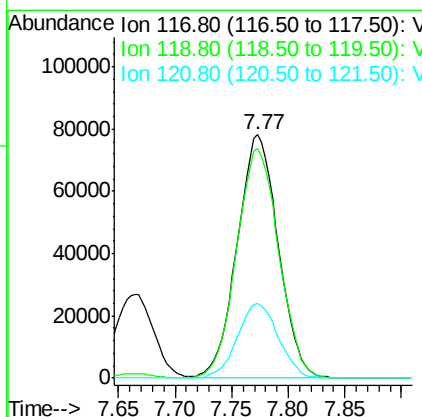
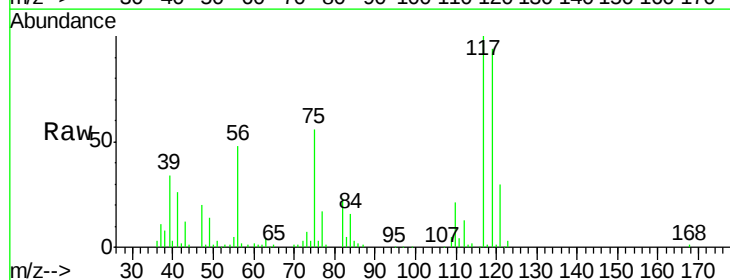
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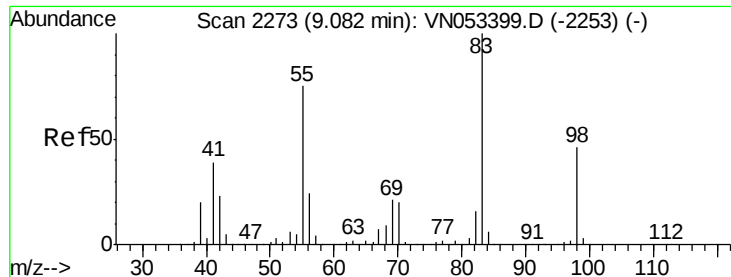
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#38
Carbon Tetrachloride
Concen: 20.400 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	77.2	115.8
121	30.4	24.6	37.0





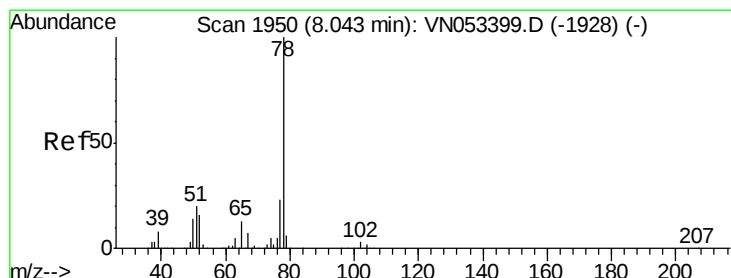
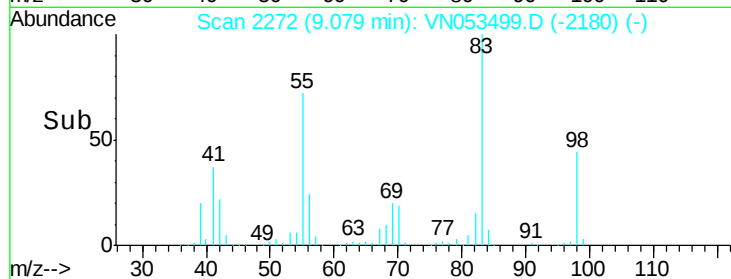
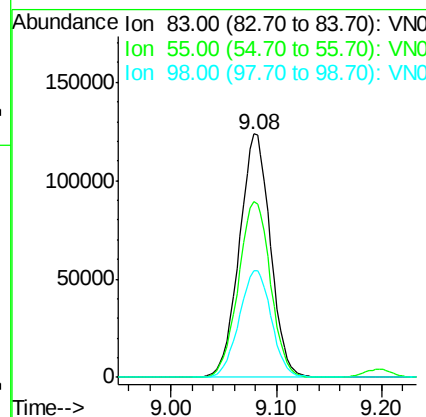
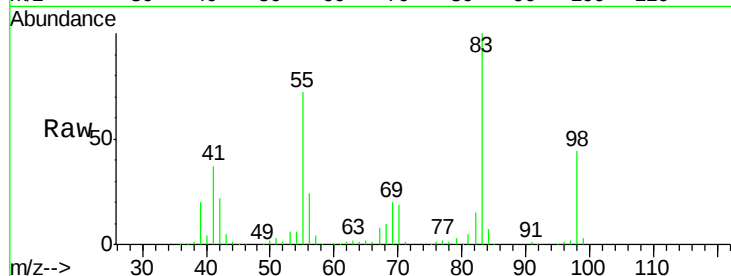
#39
Methvlcvclohexane
Concen: 19.950 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	60.1	90.1
98	43.6	36.6	55.0

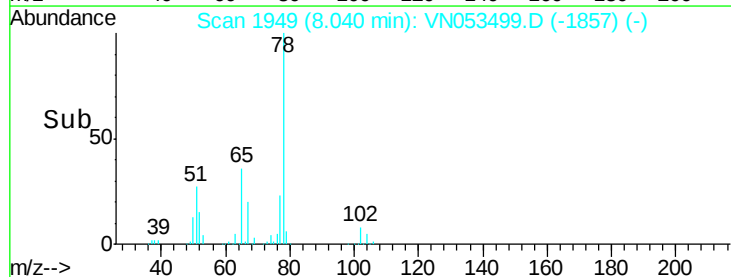
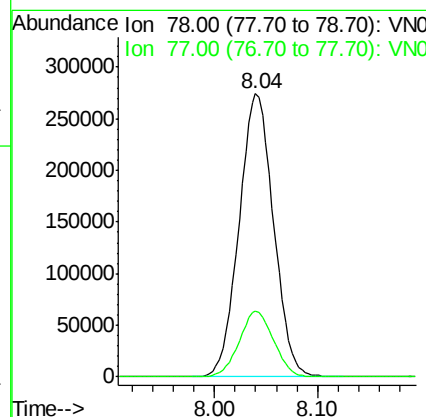
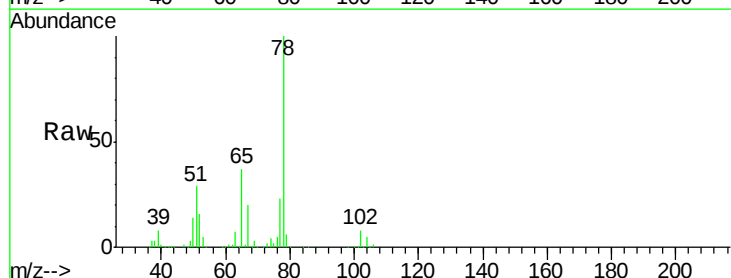
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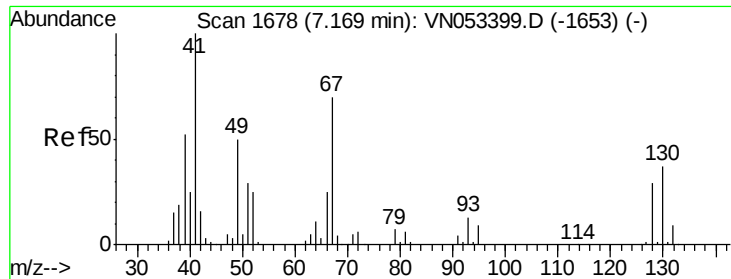
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#40
Benzene
Concen: 20.450 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





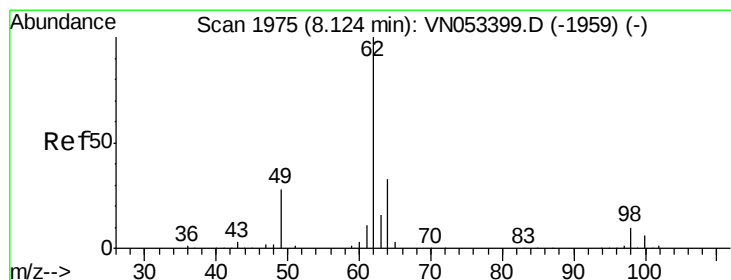
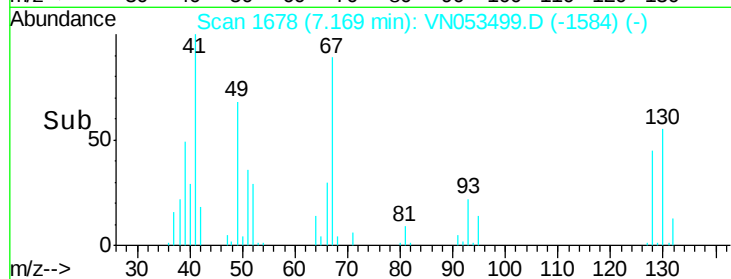
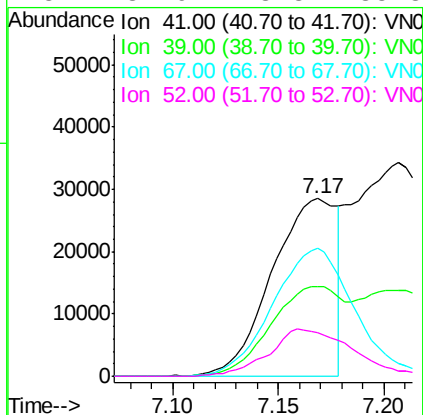
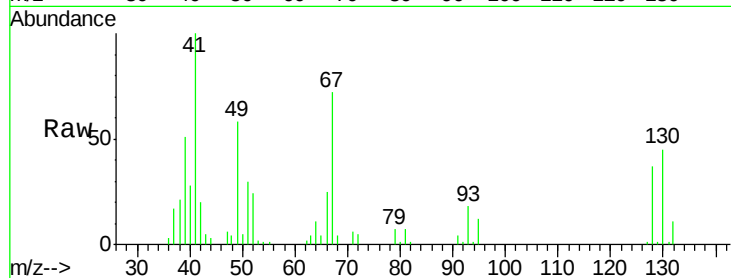
#41
Methacrylonitrile
Concen: 17.831 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.6	46.8	70.2	
67	90.8	63.0	94.6	
52	34.9	23.8	35.8	

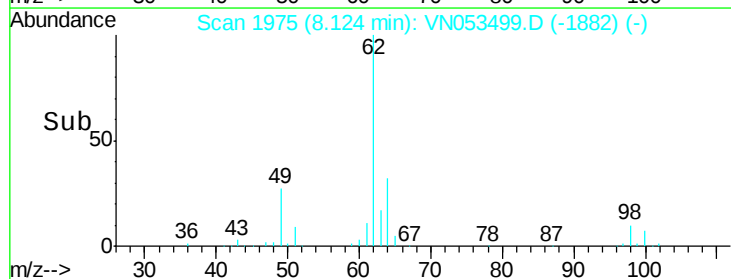
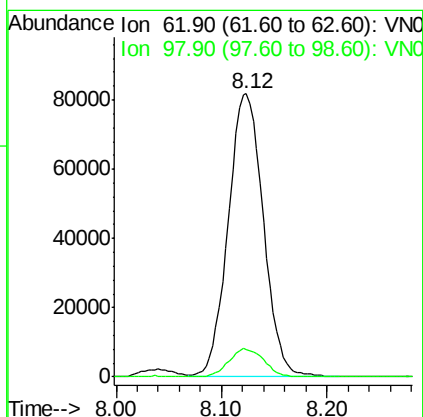
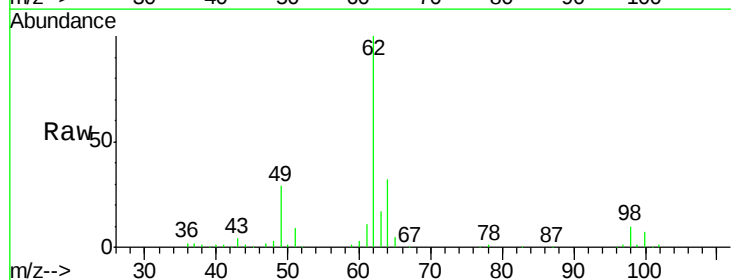
Manual Integrations
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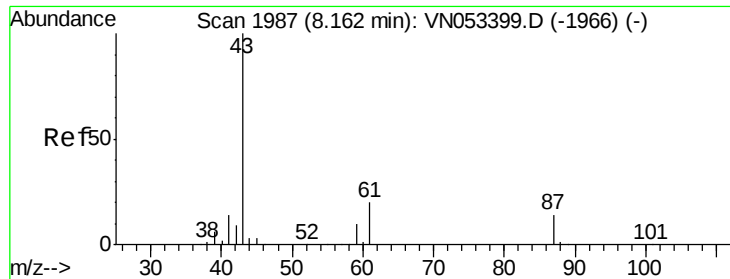
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#42
1,2-Dichloroethane
Concen: 20.754 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	19.6	





#43

Isopropyl Acetate

Concen: 19.706 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Instrument :

MSVOA_N

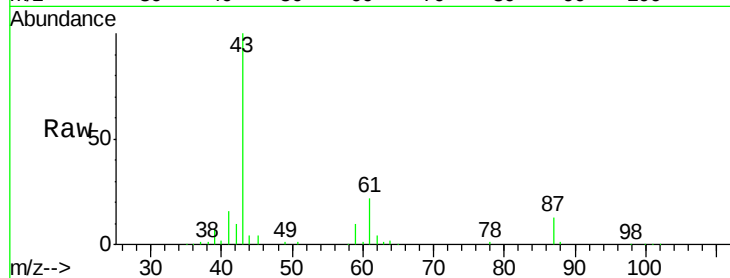
ClientSampleId :

VN0121WBS01

Tot Ion:	43	Resp:	208848
Ion	Ratio	Lower	Upper
43	100		
61	30.5	23.9	35.9
87	13.4	11.0	16.6

Manual Integrations
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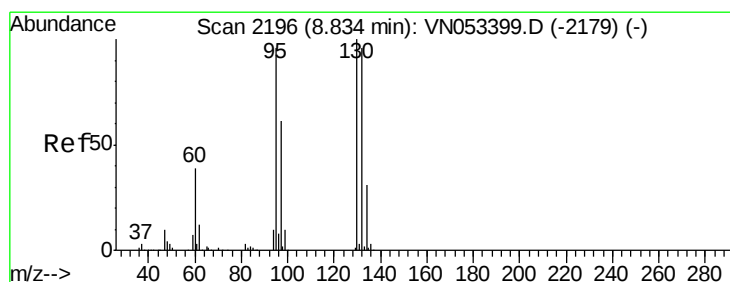
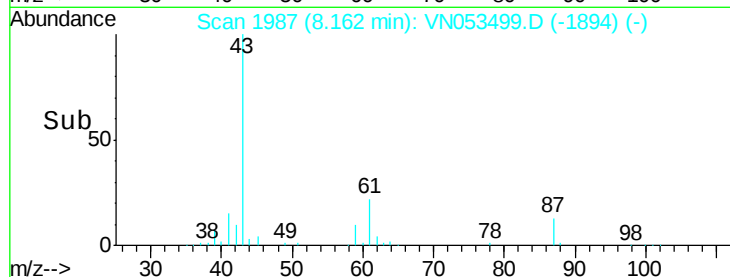
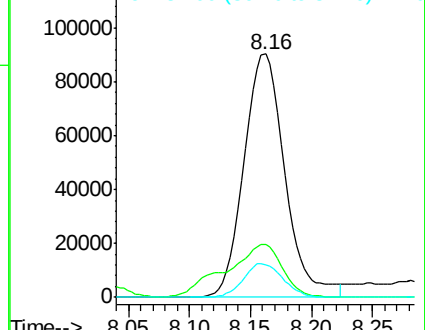
MMDadoda
1/22/2019 9:47:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN053399.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN053399.D (-1966) (-)



#44

Trichloroethene

Concen: 21.066 ug/l

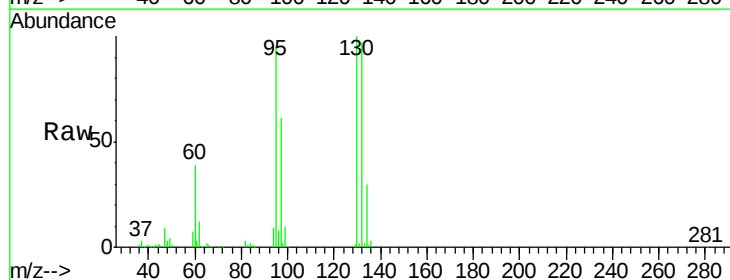
RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053499.D

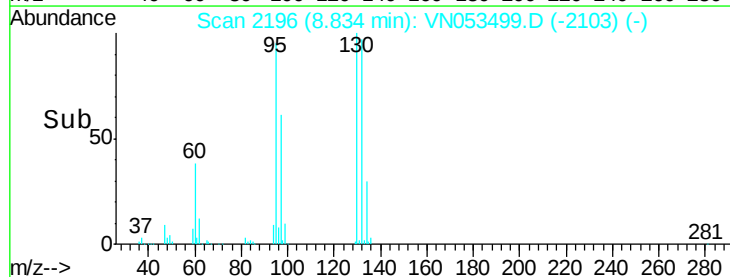
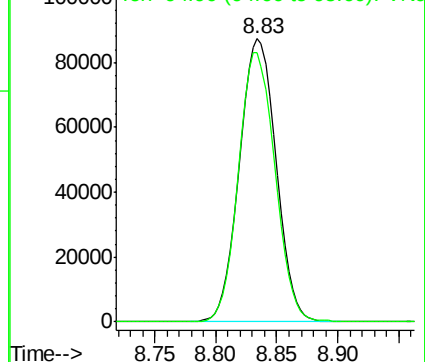
Acq: 21 Jan 2019 11:52

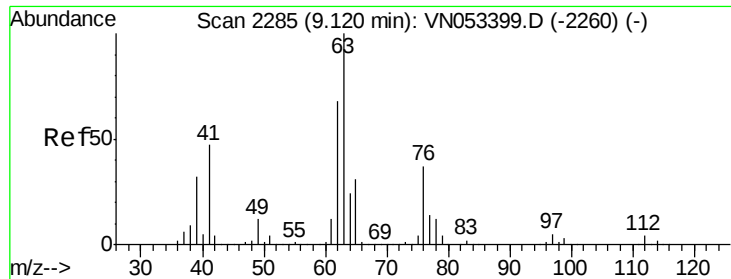
Tgt Ion:	130	Resp:	181869
Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053399.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053399.D (-2179) (-)





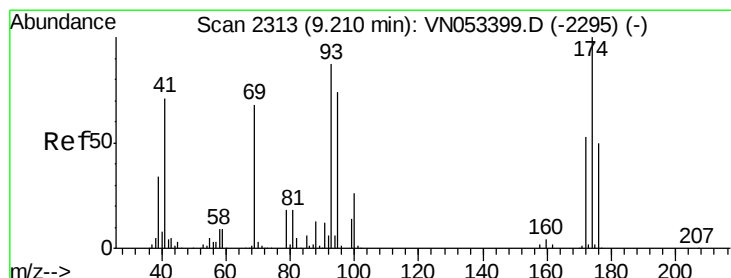
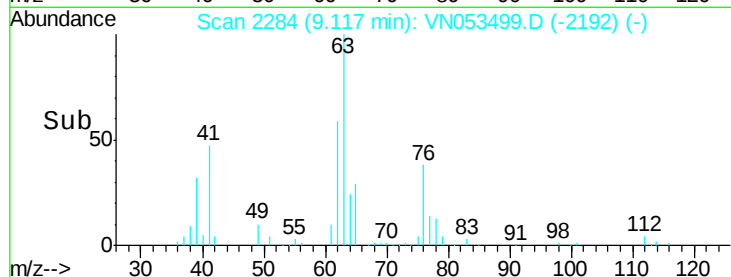
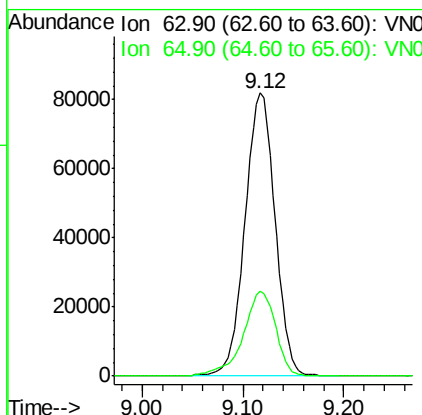
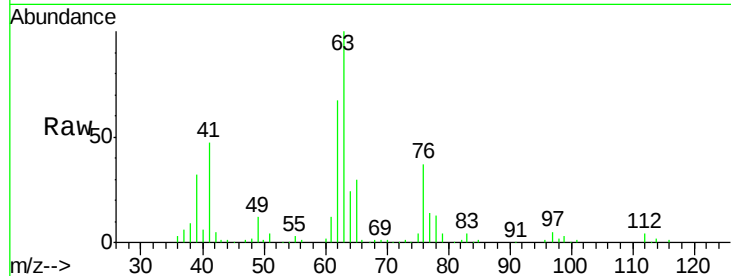
#45
 1,2-Dichloropropane
 Concen: 20.527 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053499.D
 Acq: 21 Jan 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBS01

Tot Ion: 63 Resp: 169259
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.0 37.4

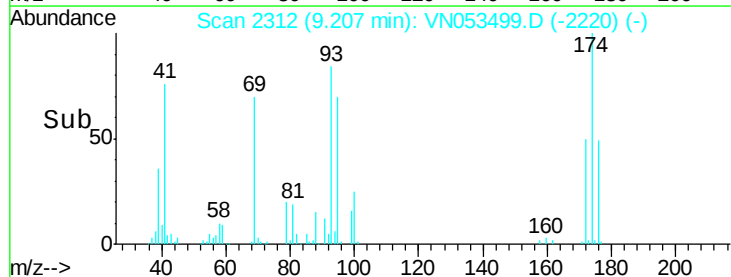
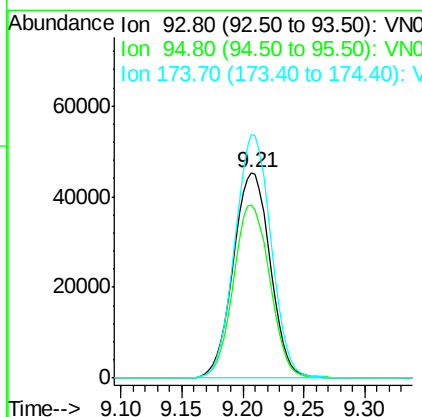
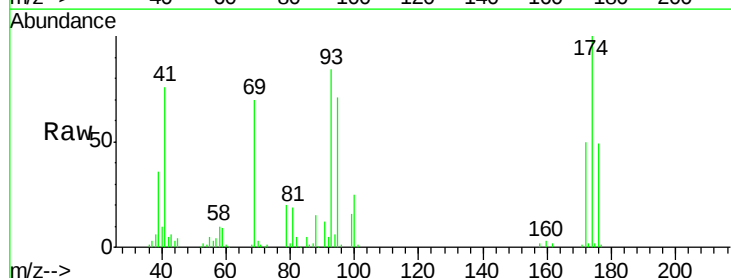
Manual Integrations
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#46
 Dibromomethane
 Concen: 20.130 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053499.D
 Acq: 21 Jan 2019 11:52

Tgt Ion: 93 Resp: 95364
 Ion Ratio Lower Upper
 93 100
 95 82.8 67.3 100.9
 174 115.5 91.0 136.4





#47

Bromodichloromethane

Concen: 20.175 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Instrument :

MSVOA_N

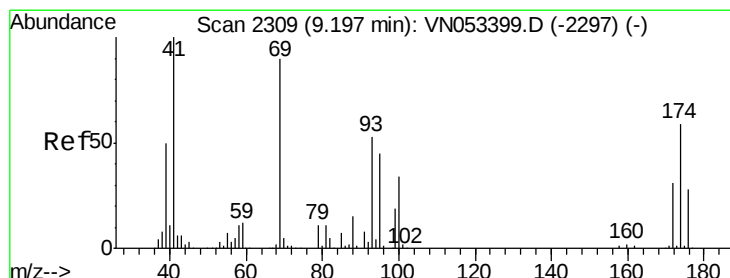
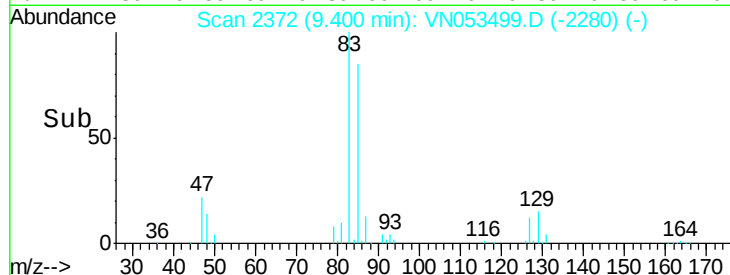
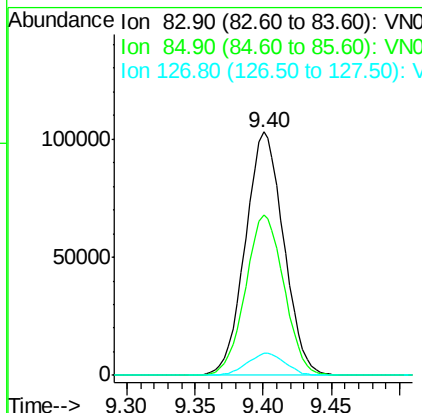
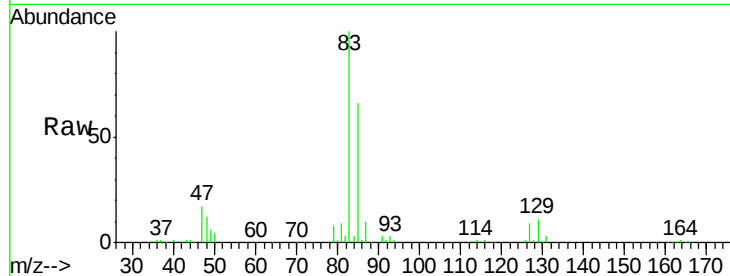
ClientSampleId :

VN0121WBS01

Tot Ion:	83	Resp:	201004
Ion Ratio	Lower	Upper	
83	100		
85	65.7	51.0	76.6
127	8.9	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.843 ug/l

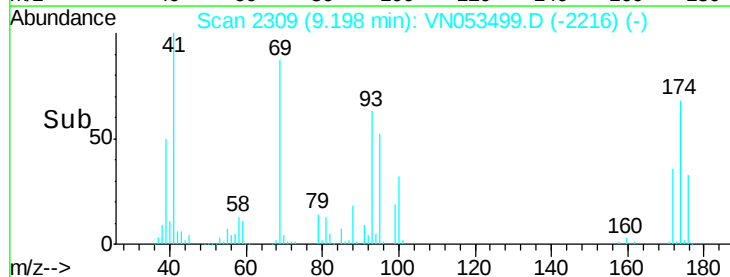
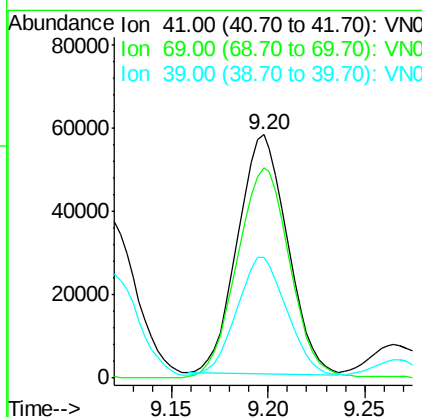
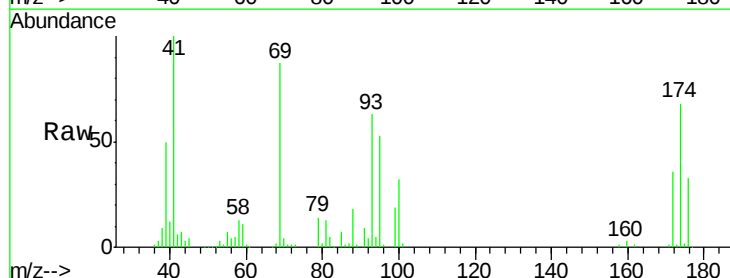
RT: 9.20 min Scan# 2309

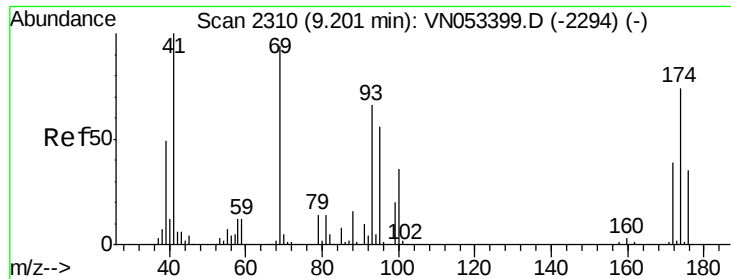
Delta R.T. 0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Tgt Ion:	41	Resp:	103107
Ion Ratio	Lower	Upper	
41	100		
69	93.1	73.8	110.6
39	49.6	40.0	60.0





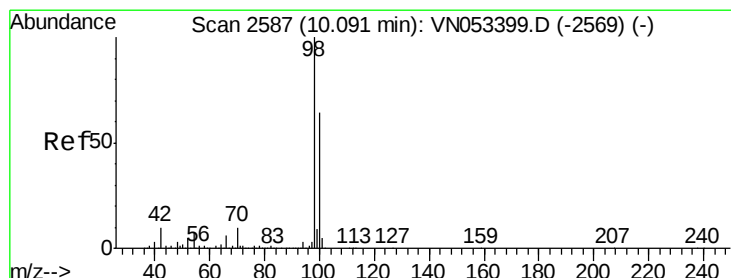
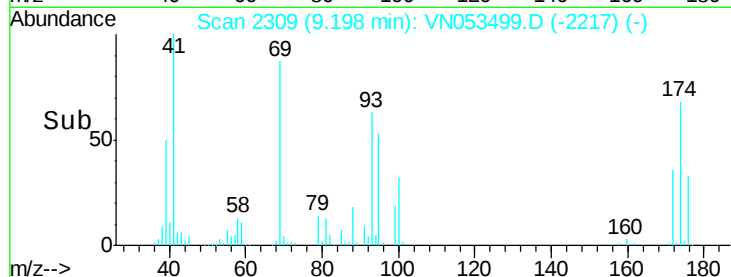
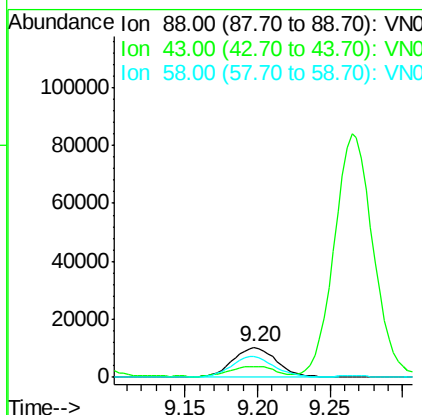
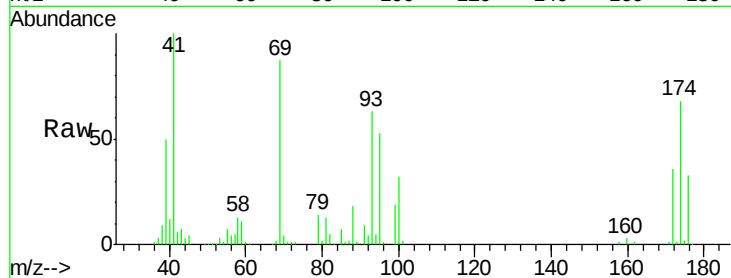
#49
 1,4-Dioxane
 Concen: 407.814 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053499.D
 Acq: 21 Jan 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBS01

Tot Ion	88	Resp	21794
Ion	Ratio	Lower	Upper
88	100		
43	35.5	27.8	41.6
58	69.2	56.5	84.7

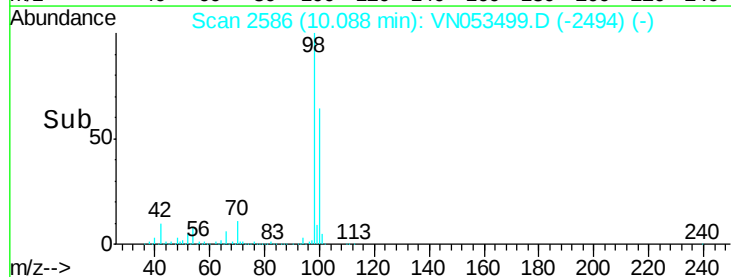
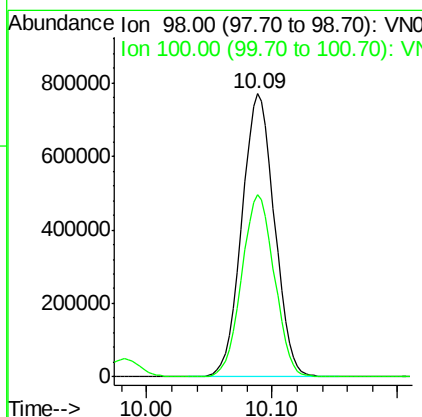
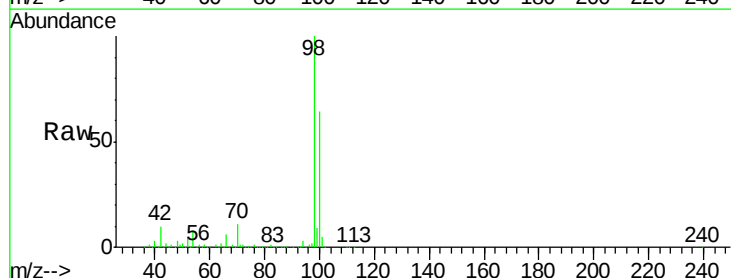
Manual Integrations
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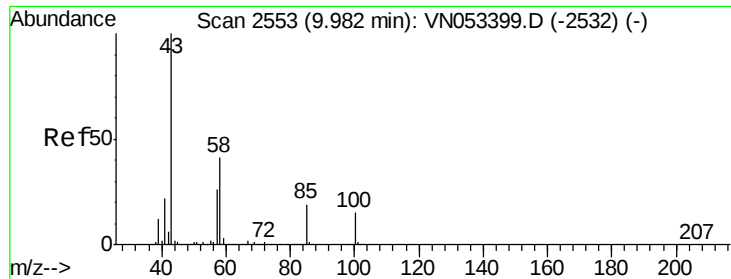
MMDadoda
 1/22/2019 9:47:25 AM



#50
 Toluene-d8
 Concen: 407.814 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN053499.D
 Acq: 21 Jan 2019 11:52

Tgt Ion	98	Resp	1392298
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 96.997 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBS01

Tot Ion: 43 Resp: 561164

Ion Ratio Lower Upper

43 100

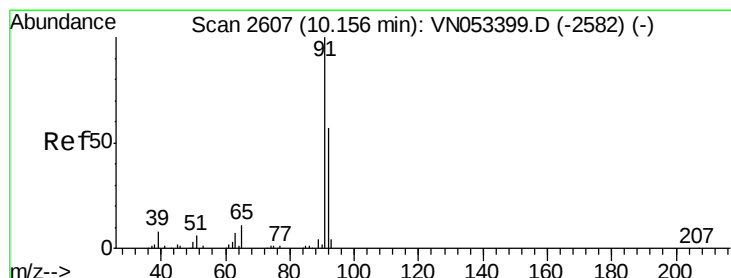
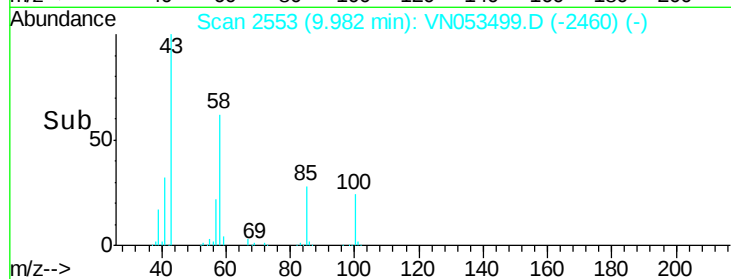
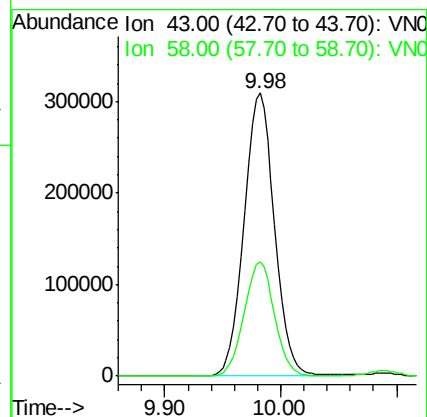
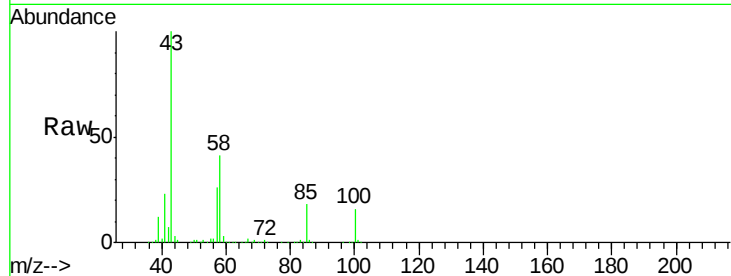
58 40.4 32.8 49.2

Manual Integrations

APPROVED

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1/22/2019 9:47:25 AM



#52

Toluene

Concen: 20.384 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN053499.D

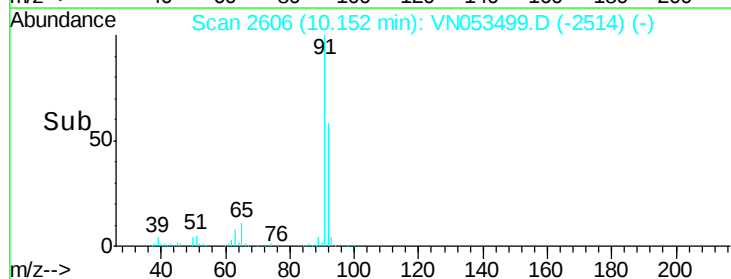
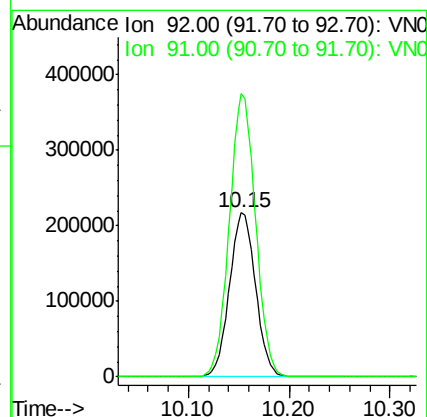
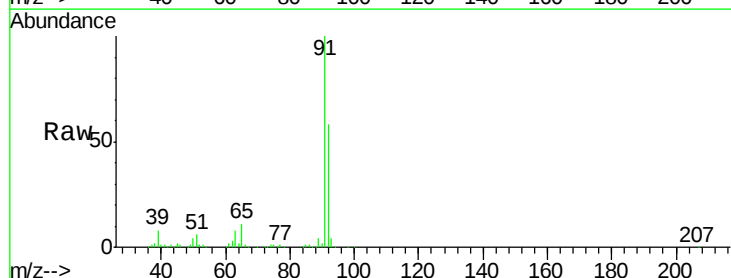
Acq: 21 Jan 2019 11:52

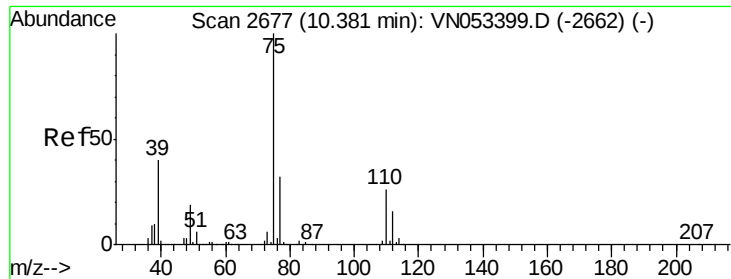
Tgt Ion: 92 Resp: 393966

Ion Ratio Lower Upper

92 100

91 172.7 139.9 209.9





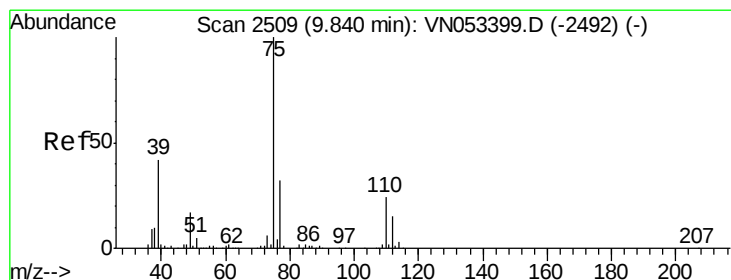
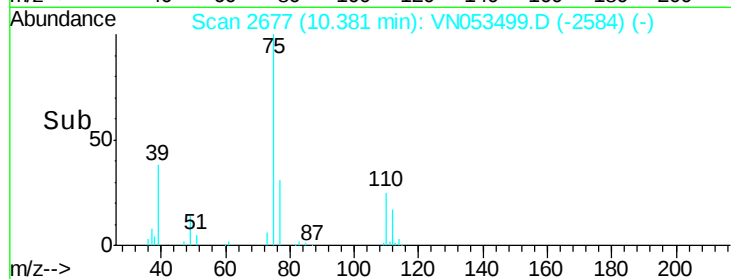
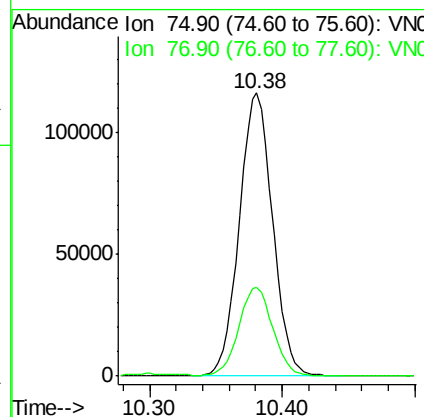
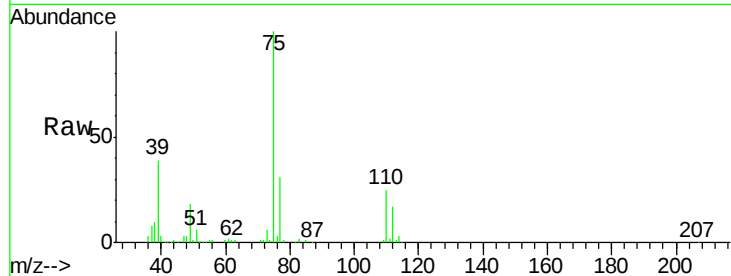
#53
t-1,3-Dichloropropene
Concen: 20.020 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.5	38.3

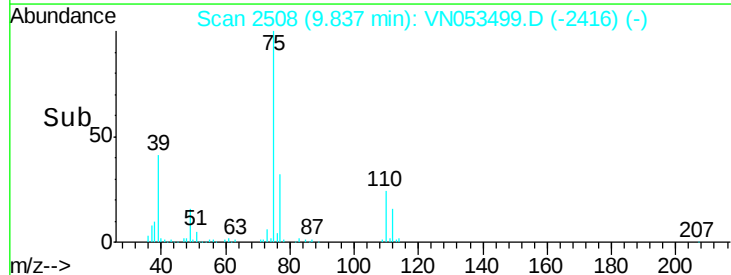
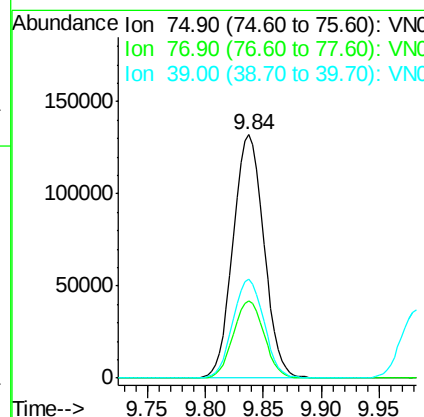
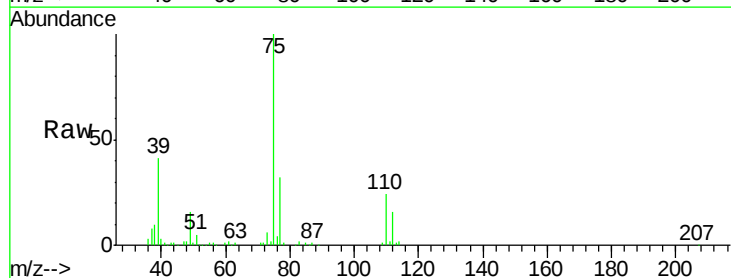
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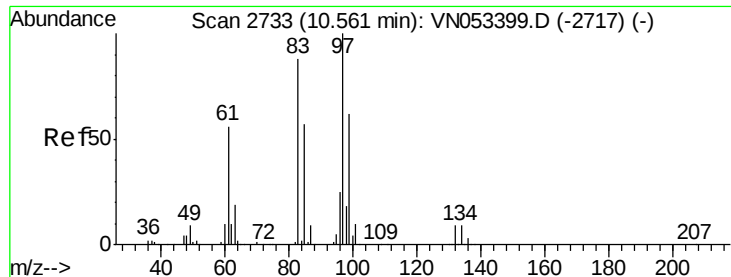
MMDadoda
1/22/2019 9:47:25 AM



#54
cis-1,3-Dichloropropene
Concen: 20.565 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.6
39	40.8	33.4	50.0





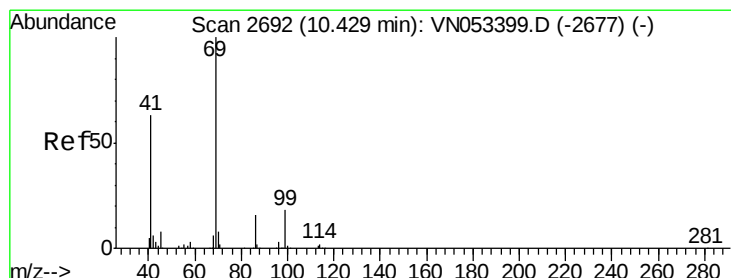
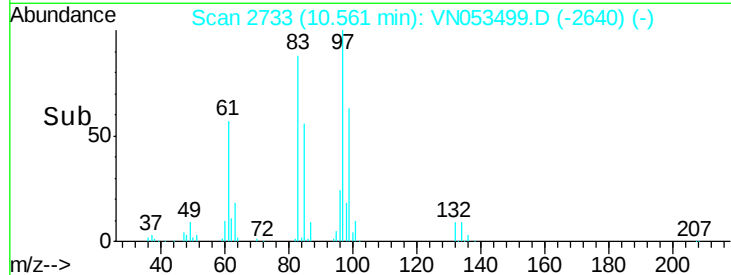
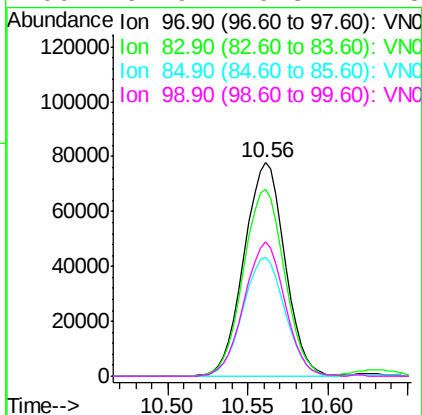
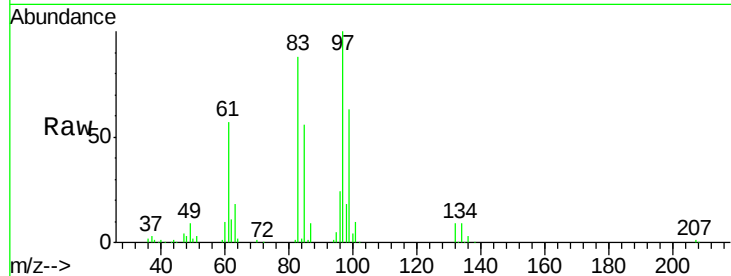
#55
 1,1,2-Trichloroethane
 Concen: 20.466 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053499.D
 Acq: 21 Jan 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		136371		
83	87.6	70.1	105.1		
85	55.7	45.4	68.0		
99	62.6	49.8	74.8		

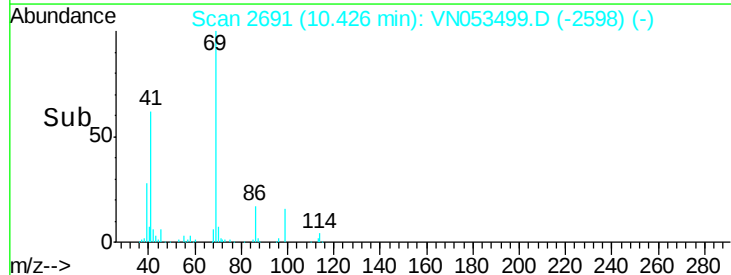
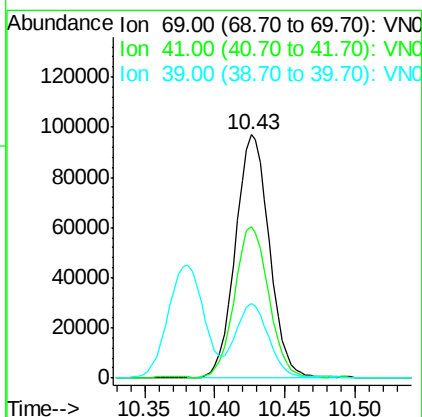
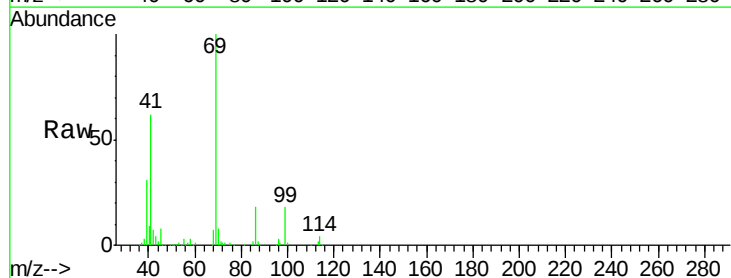
Manual Integrations
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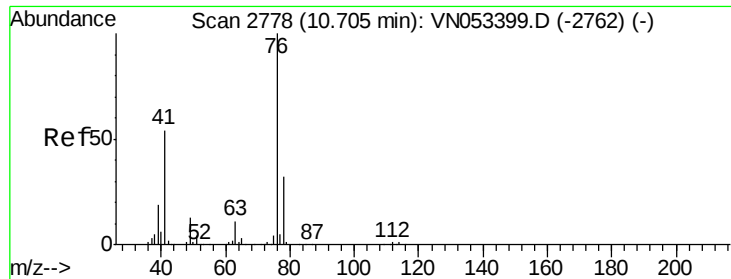
MMDadoda
 1/22/2019 9:47:25 AM



#56
 Ethyl methacrylate
 Concen: 18.692 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN053499.D
 Acq: 21 Jan 2019 11:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		164047		
41	61.8	49.4	74.0		
39	29.7	23.3	34.9		





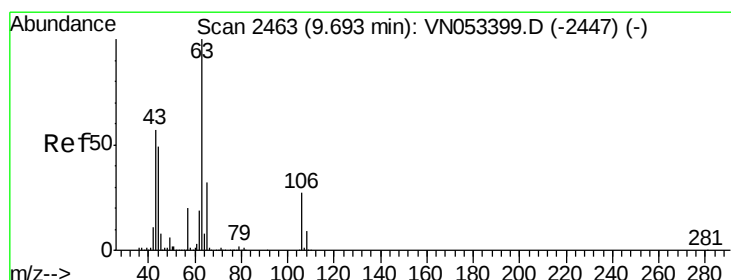
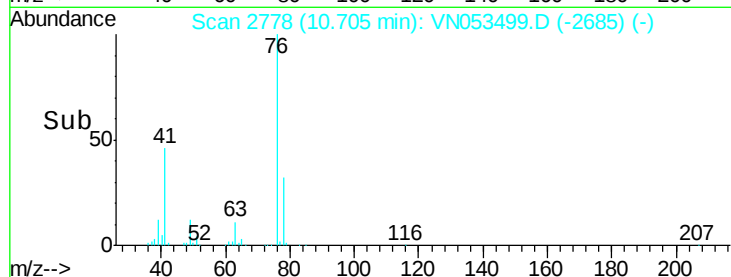
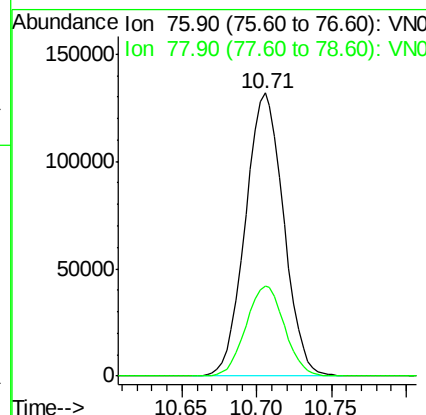
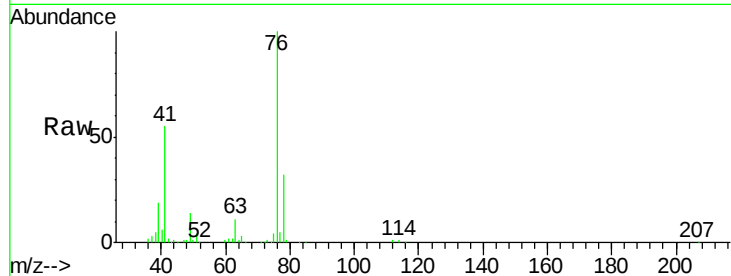
#57
 1,3-Dichloropropane
 Concen: 20.338 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053499.D
 Acq: 21 Jan 2019 11:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0121WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.6	38.4

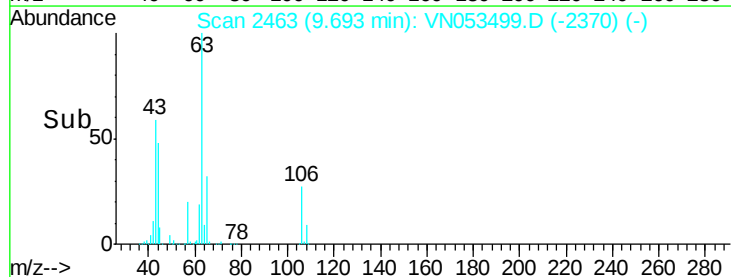
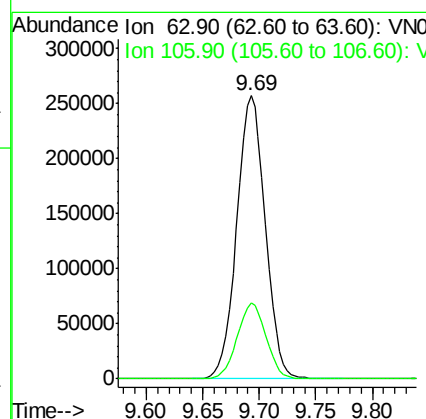
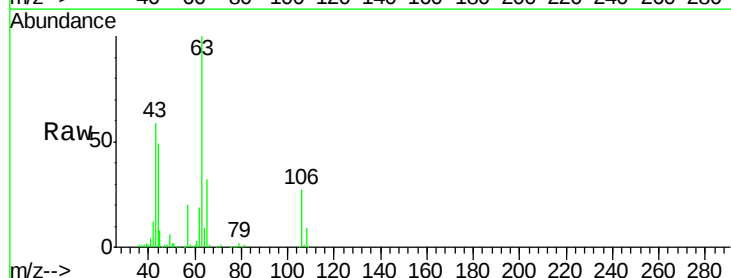
Manual Integrations
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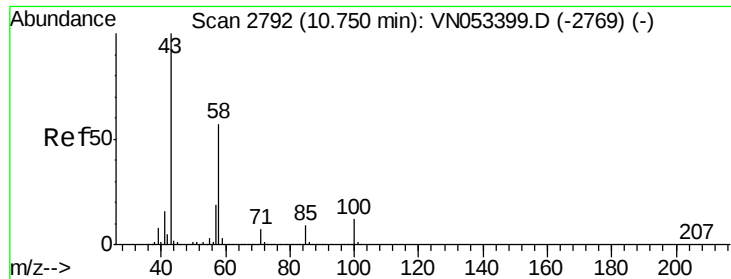
MMDadoda
 1/22/2019 9:47:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.915 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053499.D
 Acq: 21 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.5	32.3





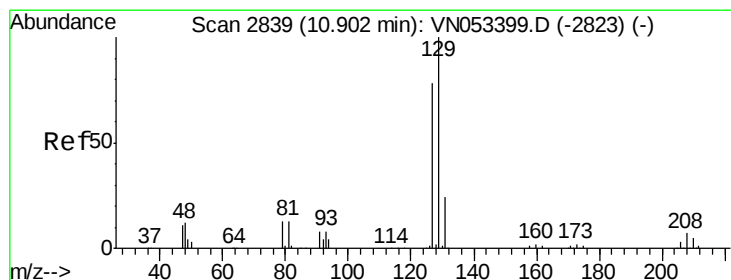
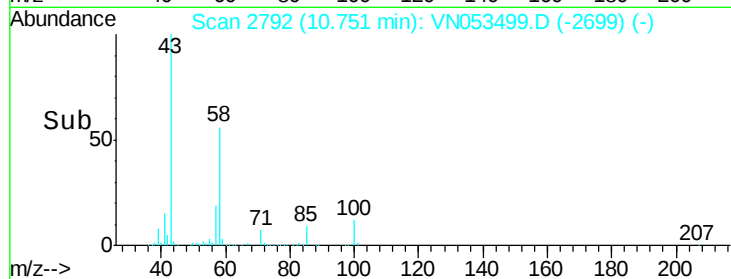
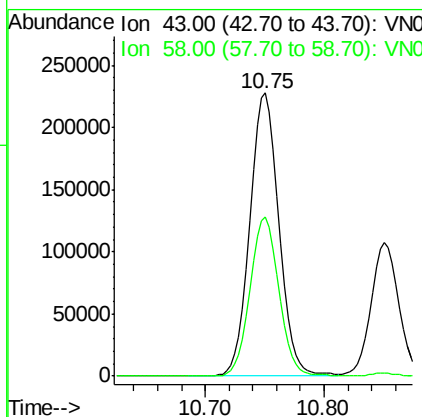
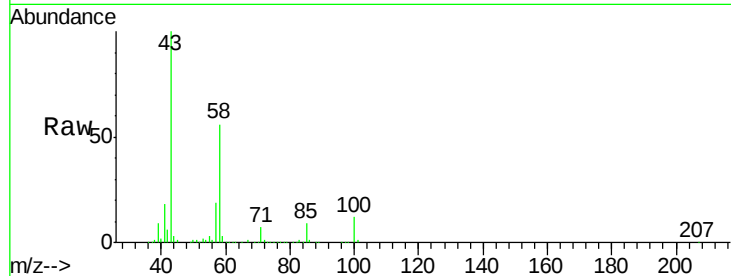
#59
2-Hexanone
Concen: 94.834 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBS01

Tot Ion: 43 Resp: 385150
Ion Ratio Lower Upper
43 100
58 56.1 28.6 85.8

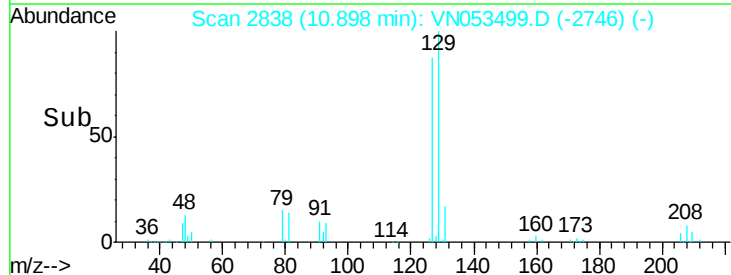
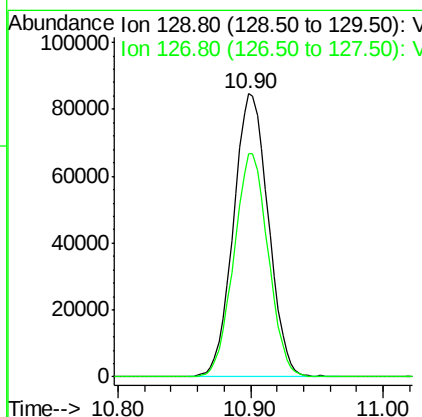
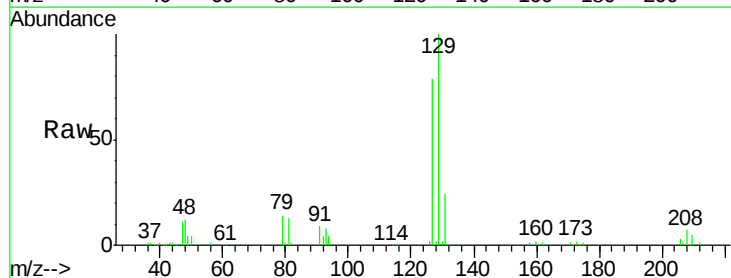
Manual Integrations
APPROVED

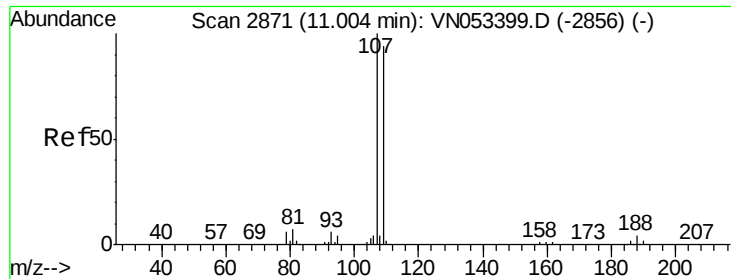
MMDadoda
1/22/2019 9:47:25 AM



#60
Dibromochloromethane
Concen: 20.484 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Tgt Ion:129 Resp: 154808
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.946 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBS01

Tot Ion: 107 Resp: 134415

Ion Ratio Lower Upper

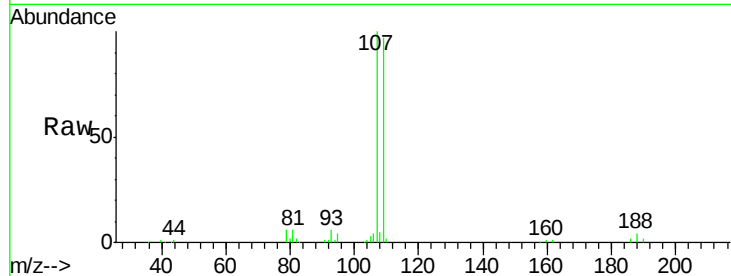
107 100

109 96.6 75.7 113.5

Manual Integrations
APPROVED

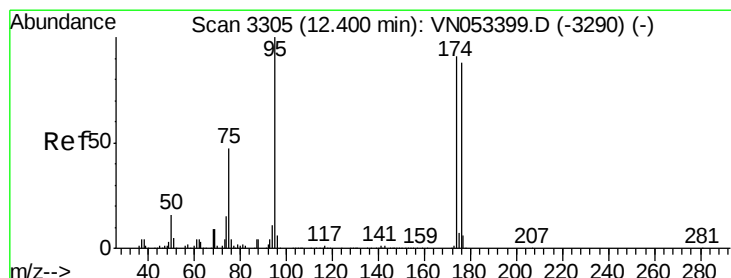
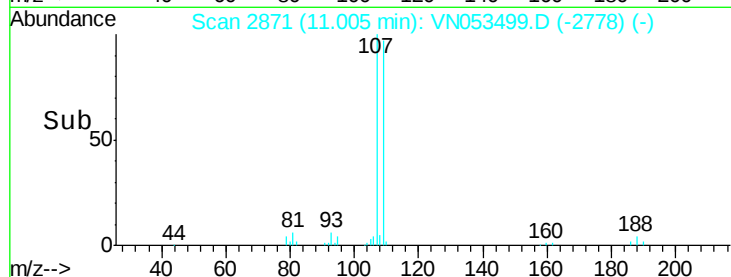
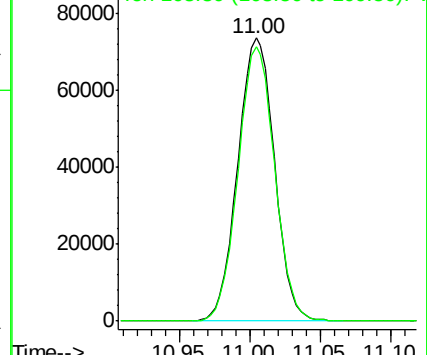
MMDadoda

1/22/2019 9:47:25 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.946 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

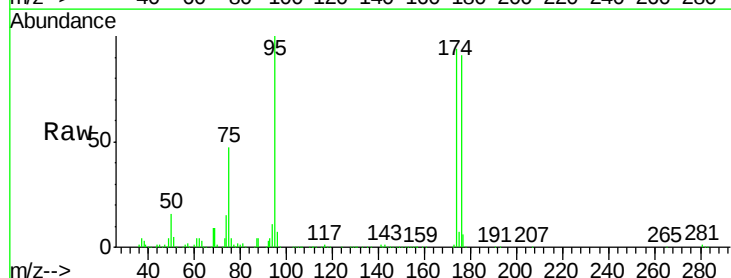
Tgt Ion: 95 Resp: 476409

Ion Ratio Lower Upper

95 100

174 93.3 0.0 183.2

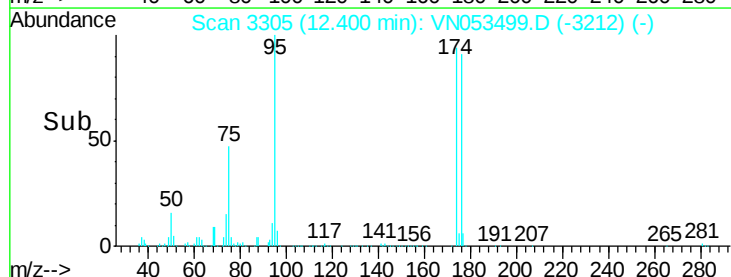
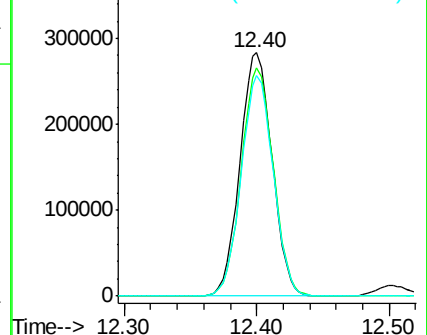
176 90.2 0.0 177.4

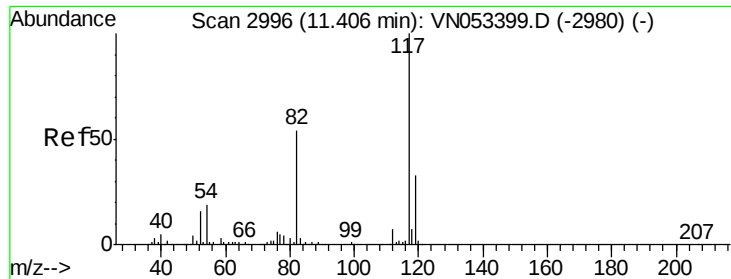


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





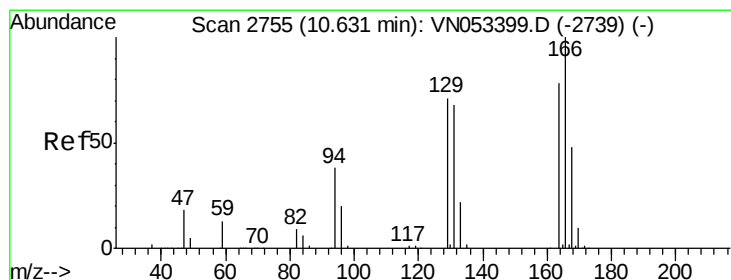
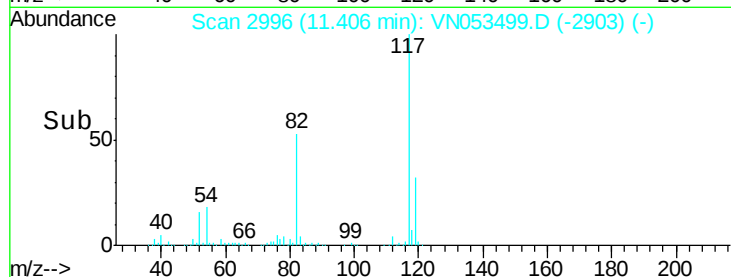
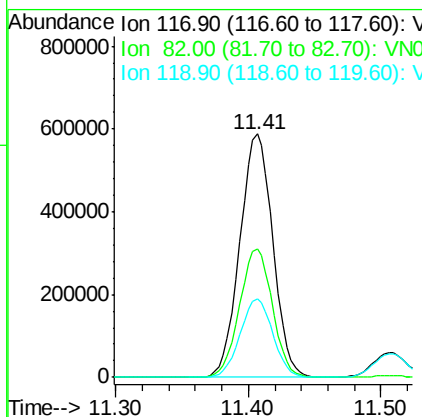
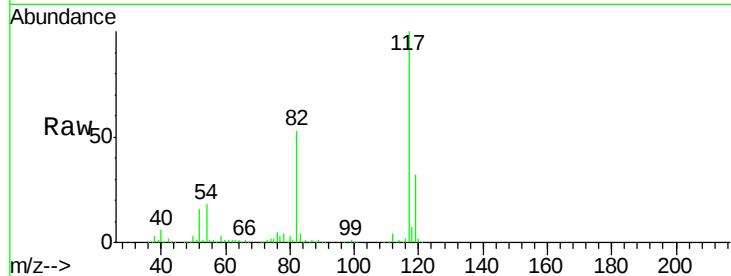
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.9	64.3
119	32.1	26.0	39.0

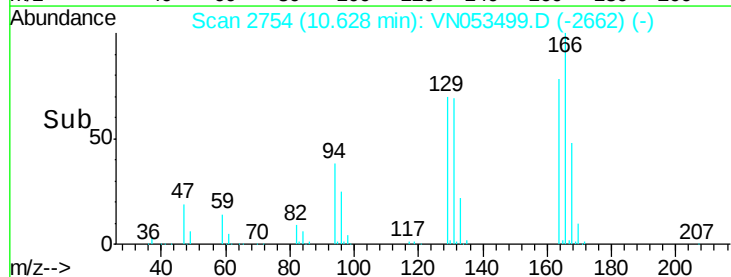
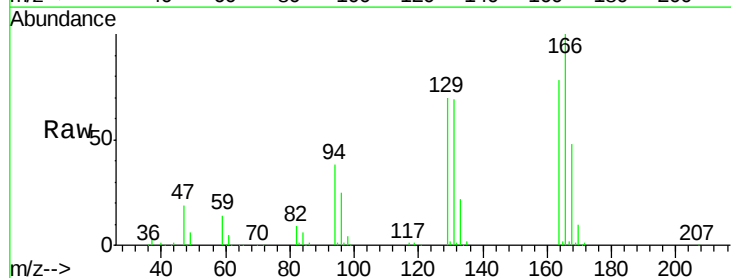
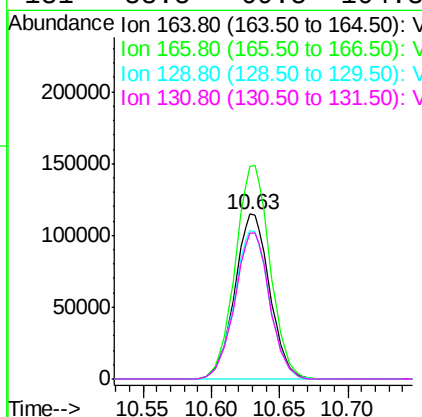
Manual Integrations
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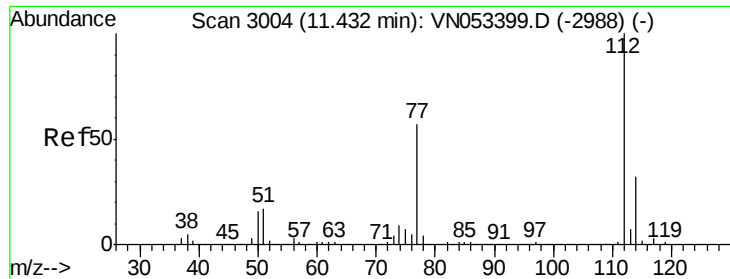
MMDadoda
1/22/2019 9:47:25 AM



#64
Tetrachloroethene
Concen: 21.294 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	102.2	153.4
129	90.1	72.6	109.0
131	88.5	69.5	104.3





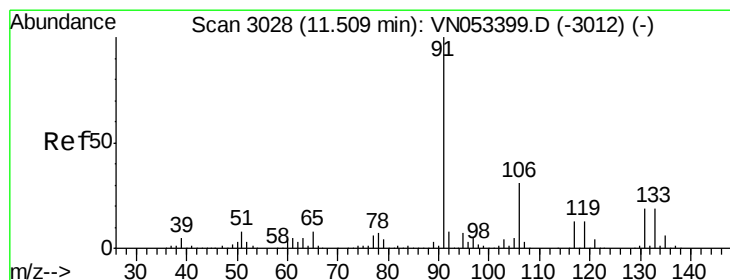
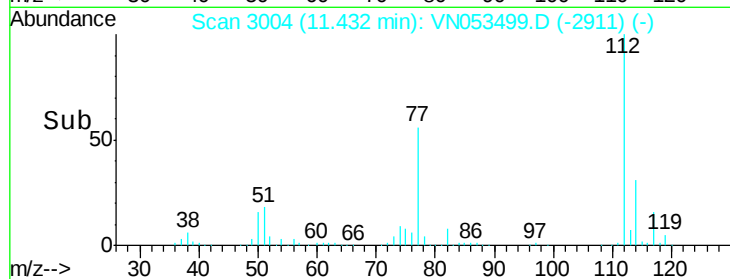
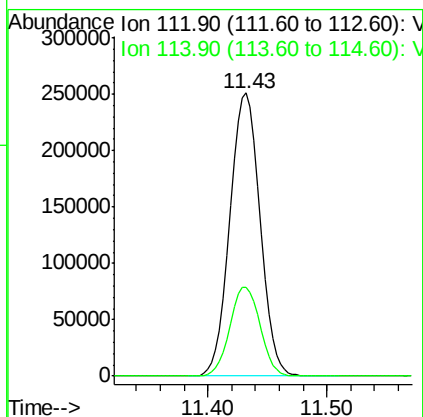
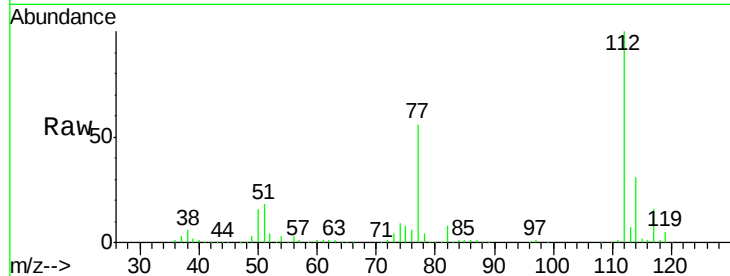
#65
Chlorobenzene
Concen: 20.604 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBS01

Tot Ion:112 Resp: 442128
Ion Ratio Lower Upper
112 100
114 31.3 25.3 37.9

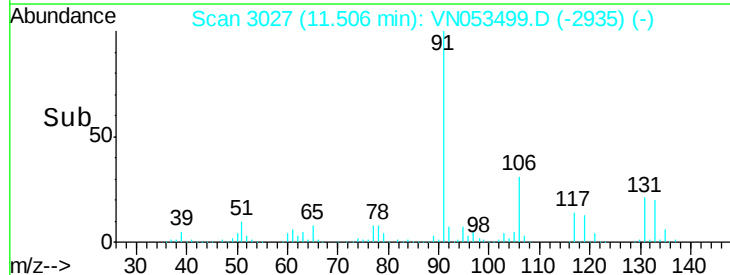
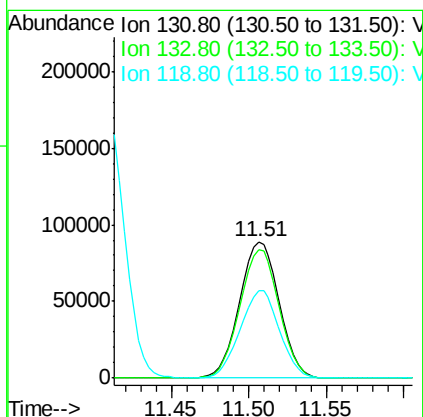
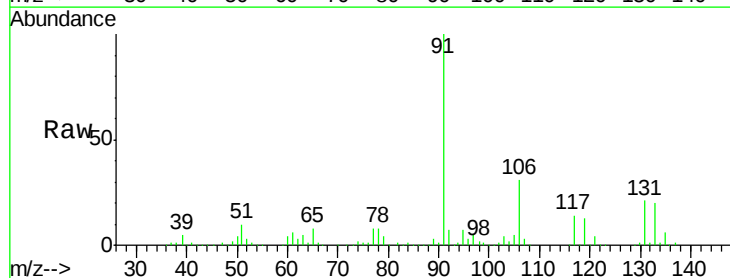
Manual Integrations
APPROVED

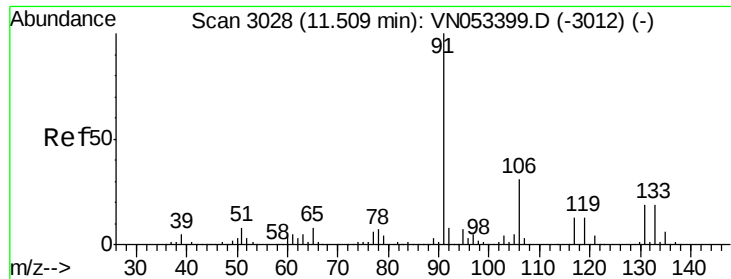
MMDadoda
1/22/2019 9:47:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.196 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Tgt Ion:131 Resp: 158223
Ion Ratio Lower Upper
131 100
133 93.6 48.0 144.0
119 64.1 33.5 100.5





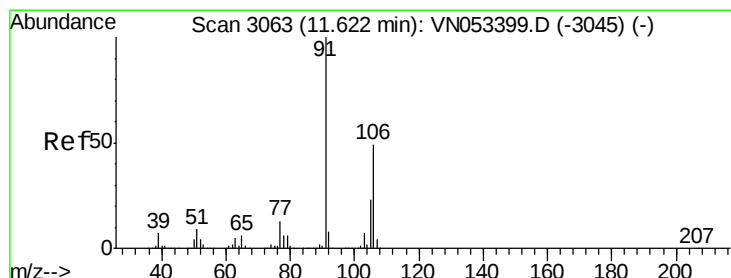
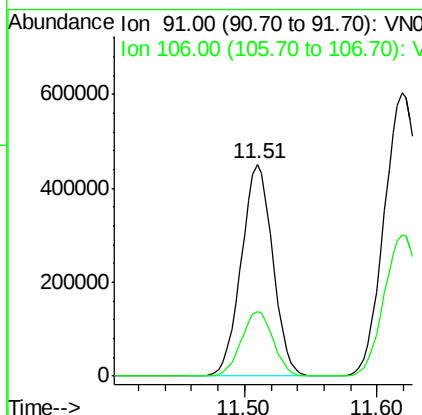
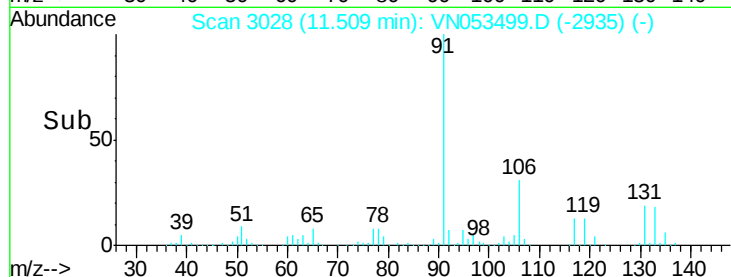
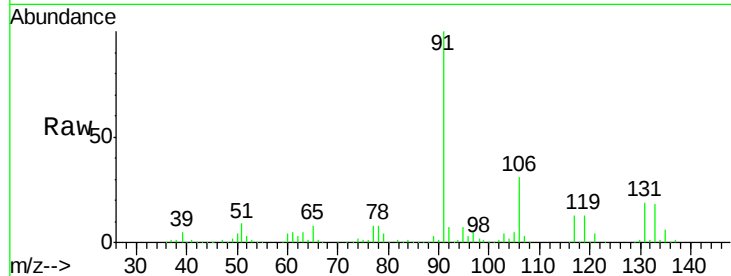
#67
Ethyl Benzene
Concen: 20.289 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBS01

Tot Ion: 91 Resp: 741969
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.6

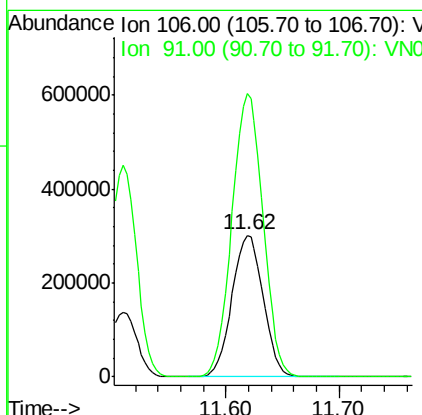
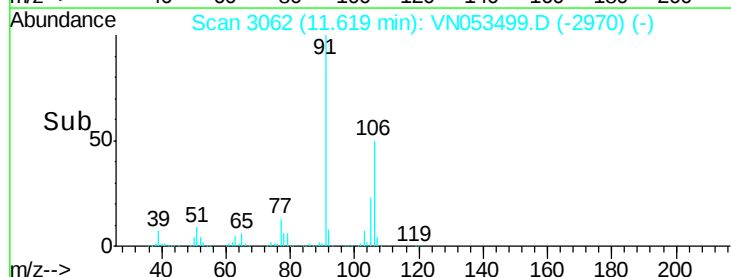
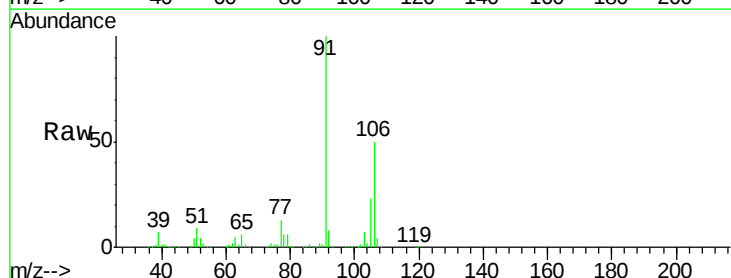
Manual Integrations
APPROVED

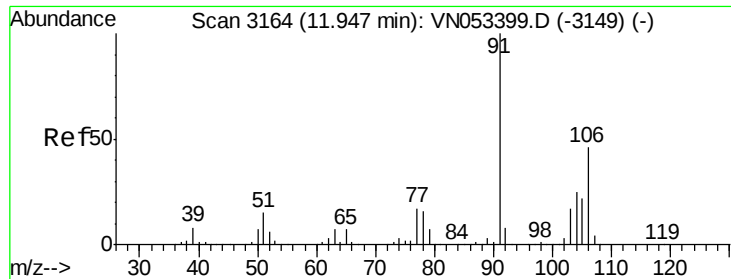
MMDadoda
1/22/2019 9:47:25 AM



#68
m/p-Xylenes
Concen: 41.916 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Tgt Ion: 106 Resp: 578732
Ion Ratio Lower Upper
106 100
91 199.2 161.4 242.2





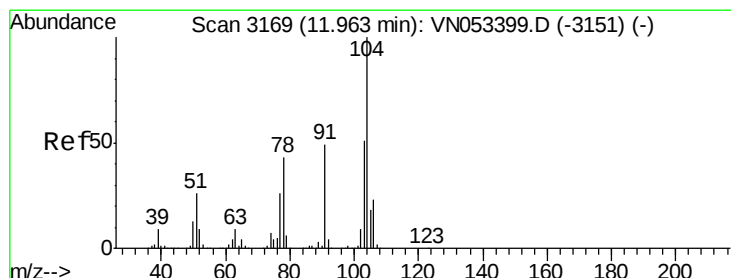
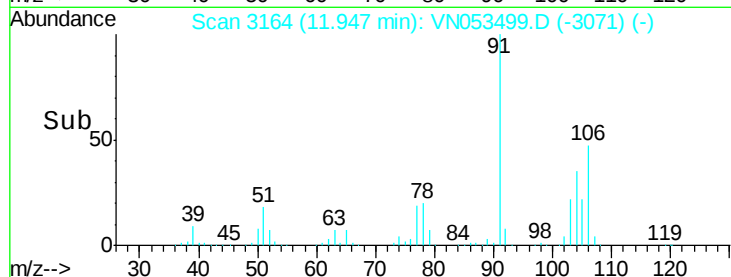
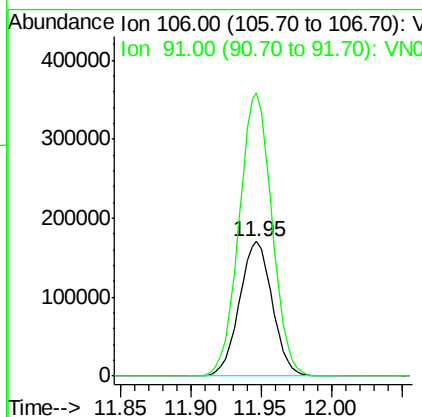
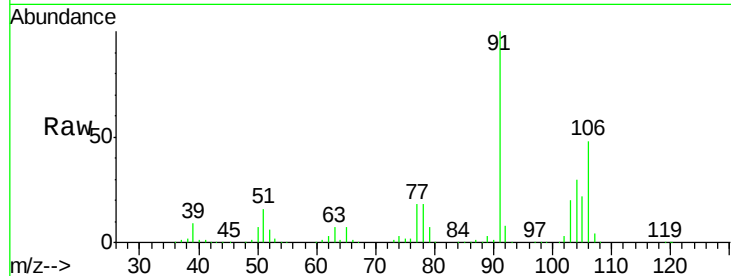
#69
o-Xylene
Concen: 20.774 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		278710		
91	210.1	106.9	320.8		

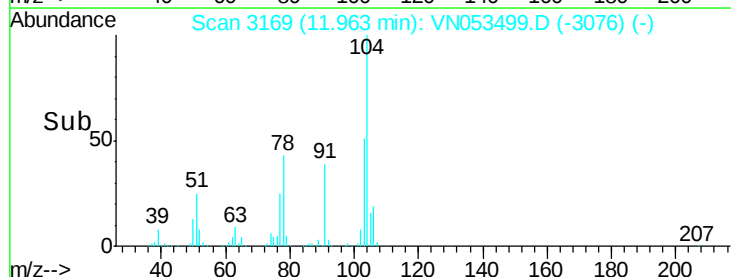
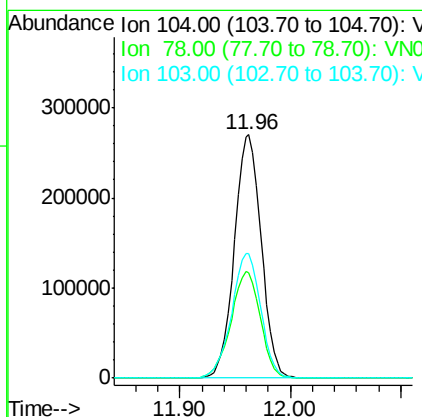
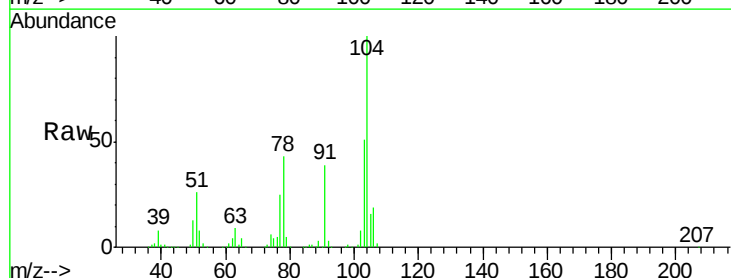
Manual Integrations
APPROVED

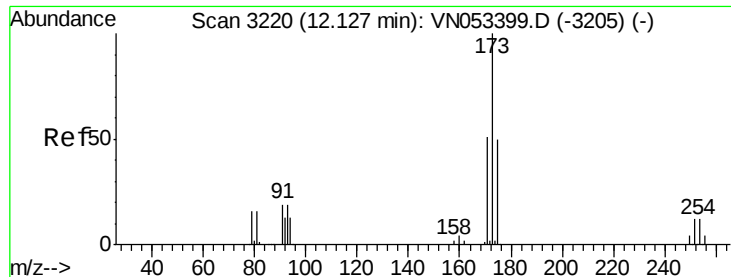
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#70
Styrene
Concen: 20.966 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		456518		
78	47.8	38.2	57.2		
103	55.4	44.4	66.6		





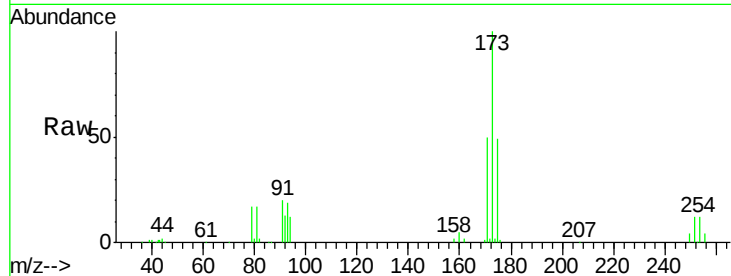
#71
Bromoform
Concen: 20.096 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBS01

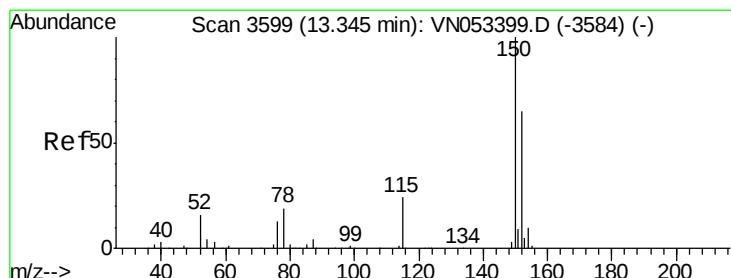
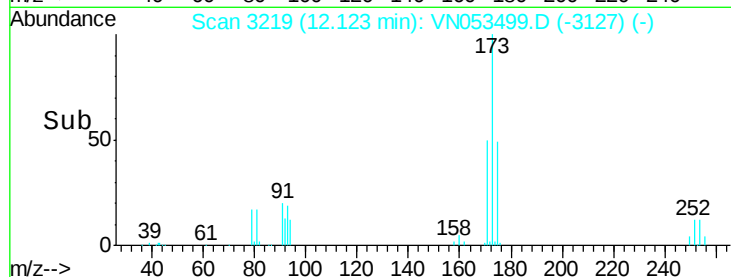
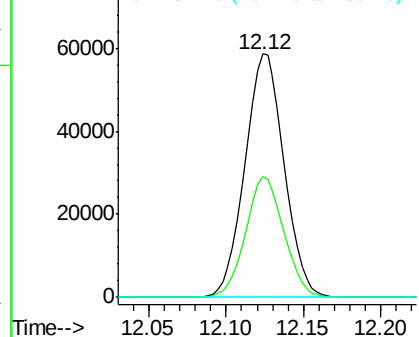
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	74.0
254	0.0	0.2	0.2

Manual Integrations
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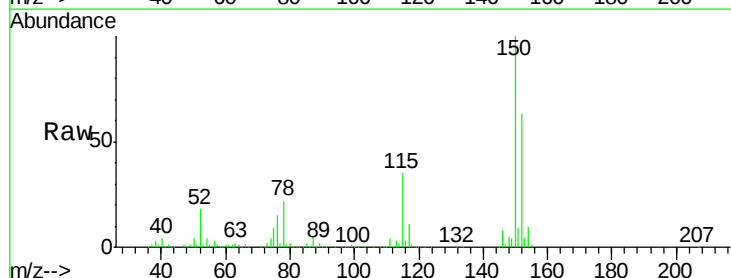


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

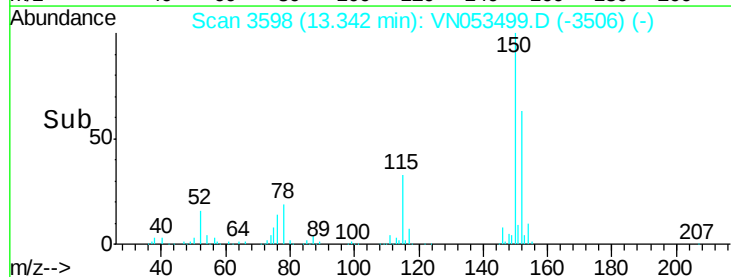
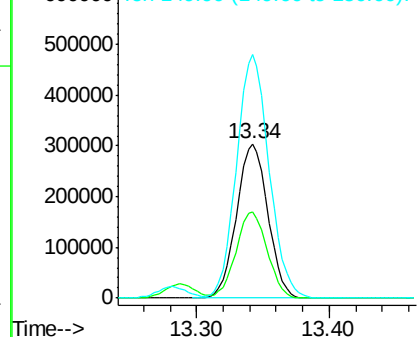


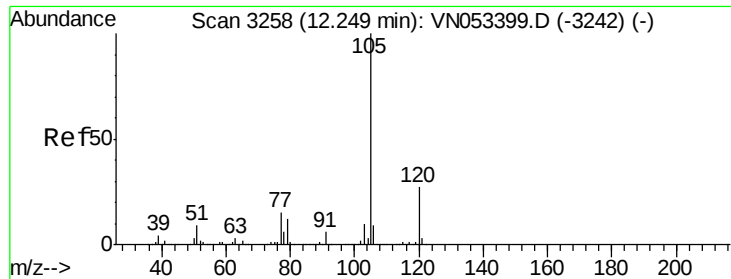
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.8	83.4
150	164.4	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





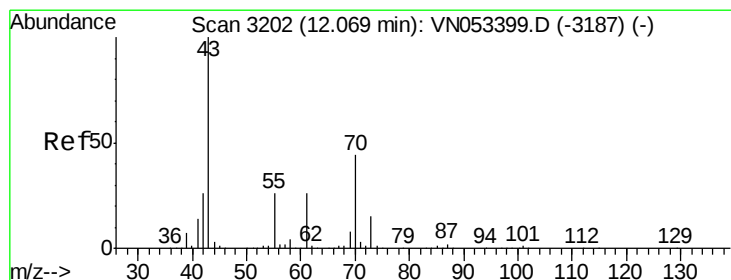
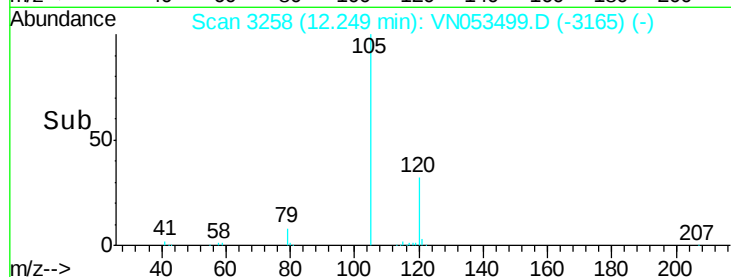
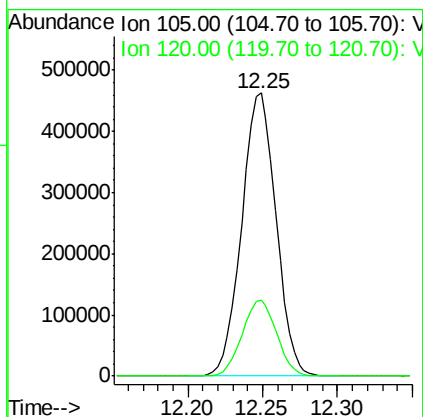
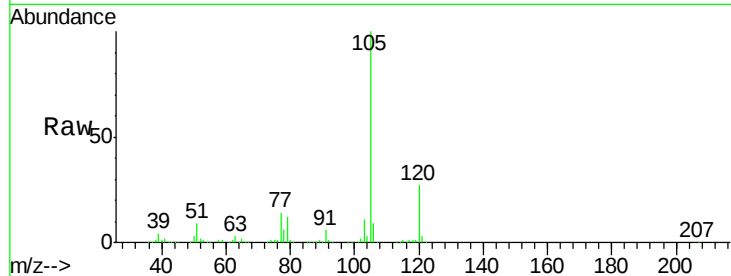
#73
Isopropylbenzene
Concen: 20.279 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.6	40.7

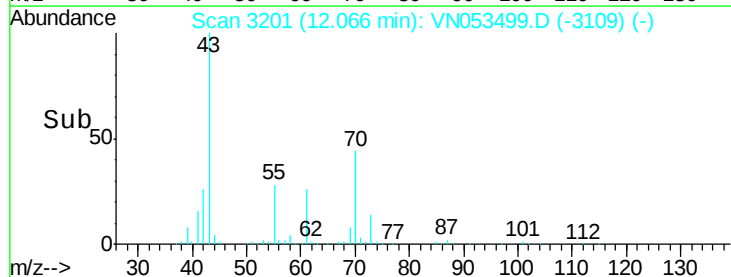
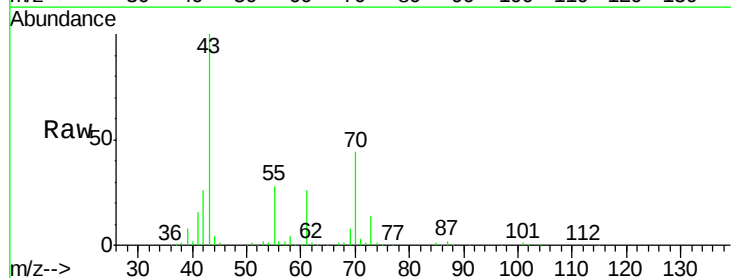
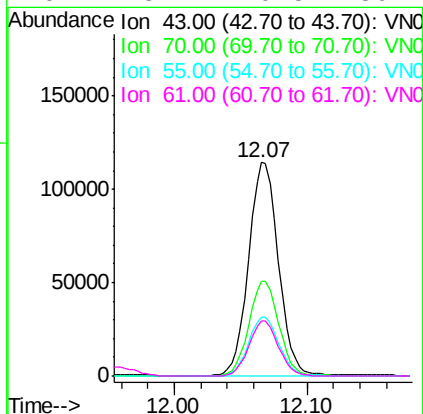
Manual Integrations
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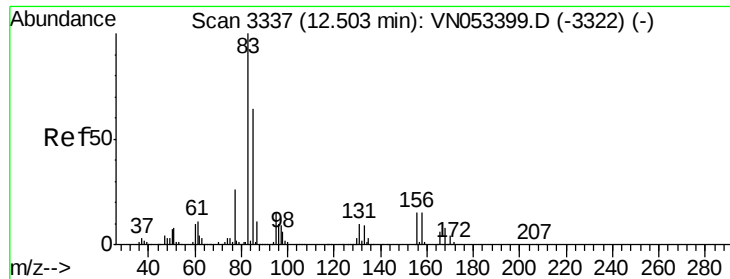
MMDadoda
1/22/2019 9:47:25 AM



#74
N-ethyl acetate
Concen: 18.314 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.9	35.4	53.2
55	28.3	20.9	31.3
61	25.4	20.5	30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.582 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Instrument :

MSVOA_N

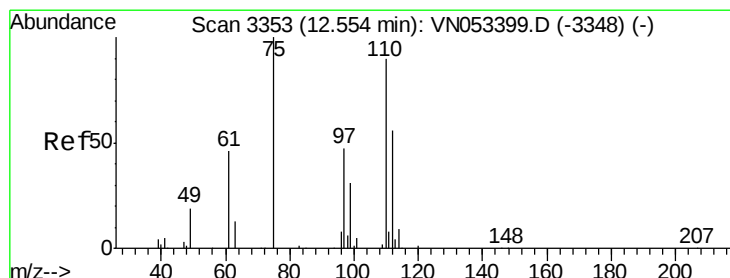
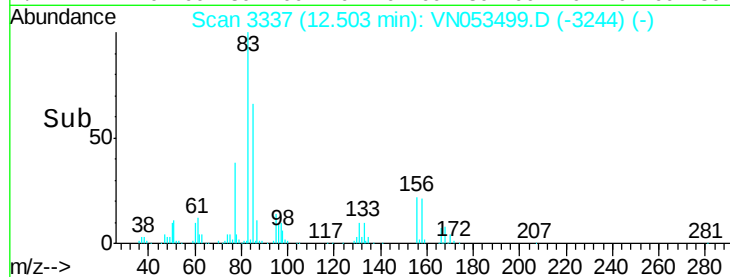
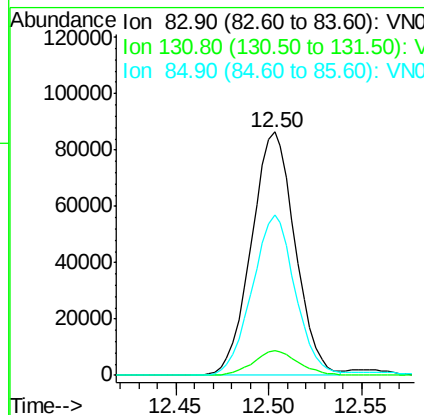
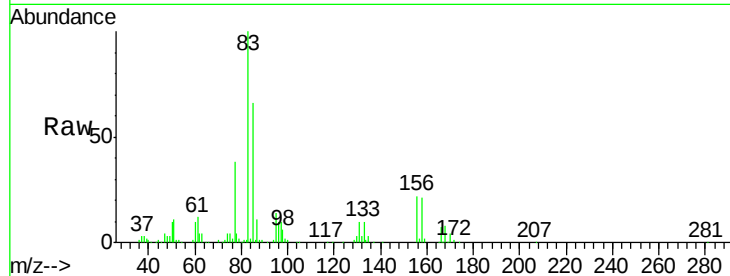
ClientSampleId :

VN0121WBS01

Tot Ion:	83	Resp:	142046
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.8
85	64.9	32.1	96.3

Manual Integrations
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1/22/2019 9:47:25 AM



#76

1,2,3-Trichloropropane

Concen: 19.188 ug/l m

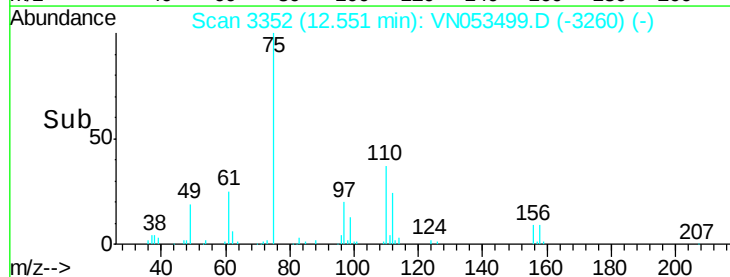
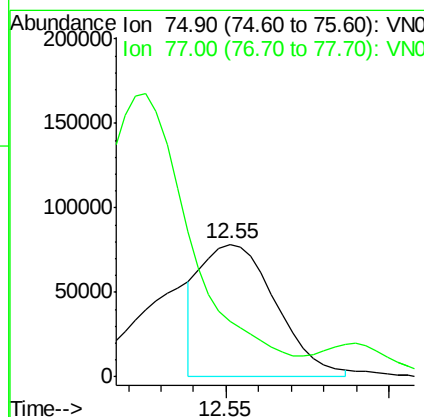
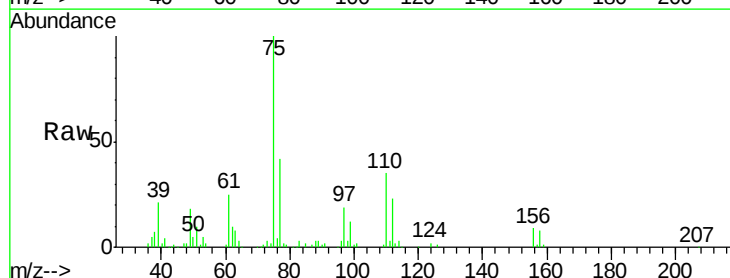
RT: 12.55 min Scan# 3352

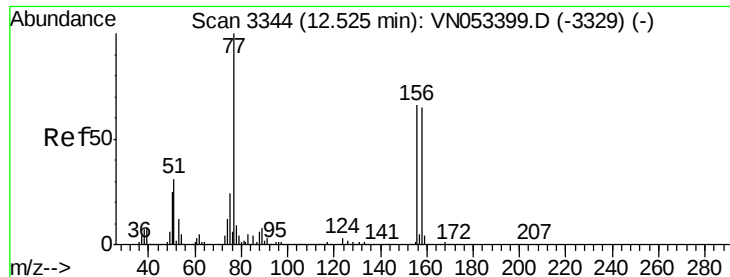
Delta R.T. -0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Tgt Ion:	75	Resp:	125853
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.169 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Instrument :

MSVOA_N

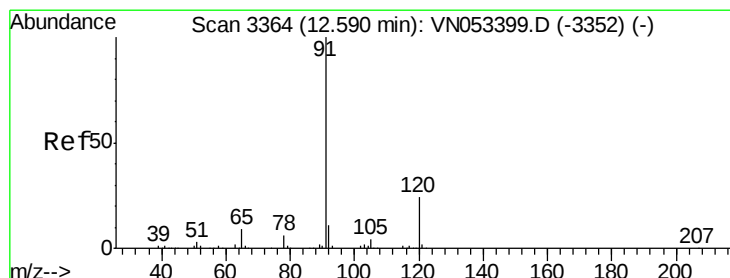
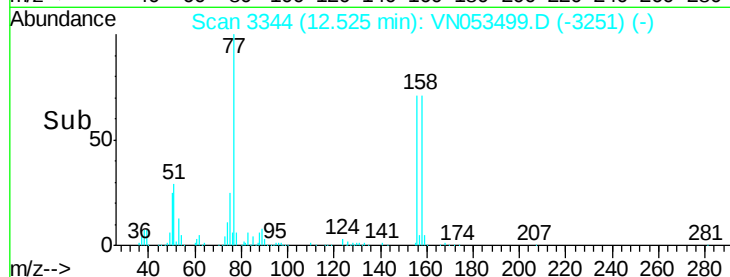
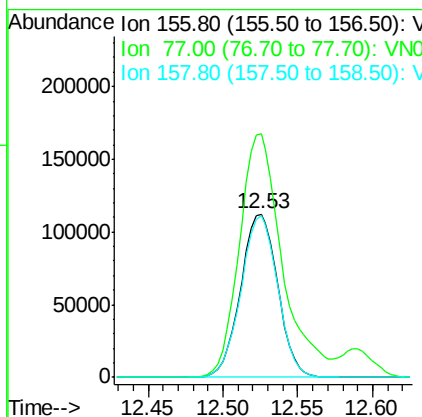
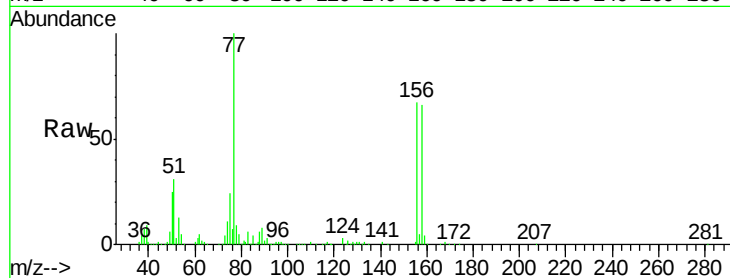
ClientSampleId :

VN0121WBS01

Tot Ion:	156	Resp:	193708
Ion Ratio	Lower	Upper	
156	100		
77	173.1	87.9	263.8
158	97.9	48.8	146.4

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#78

n-propylbenzene

Concen: 20.337 ug/l

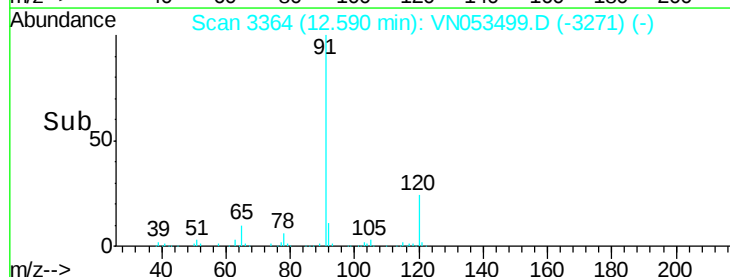
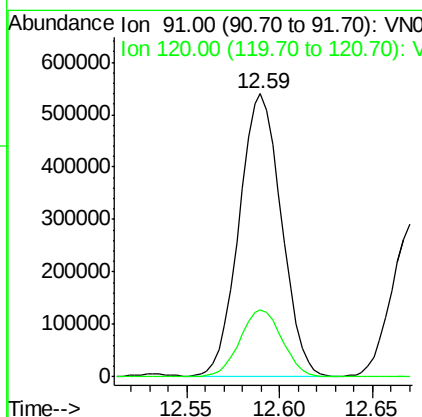
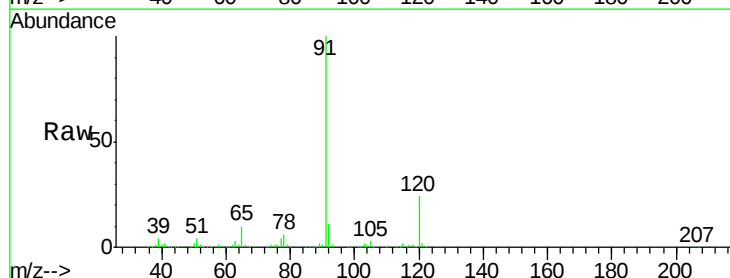
RT: 12.59 min Scan# 3364

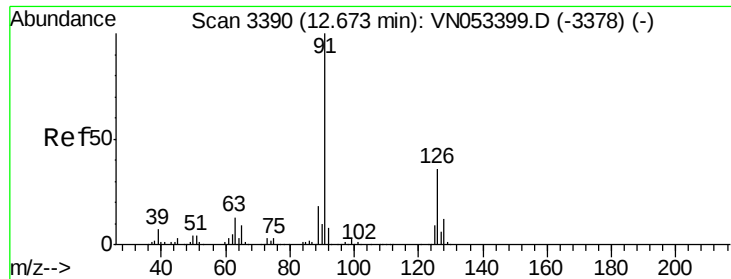
Delta R.T. 0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Tgt Ion:	91	Resp:	850863
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.328 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBS01

Tot Ion: 91 Resp: 504108

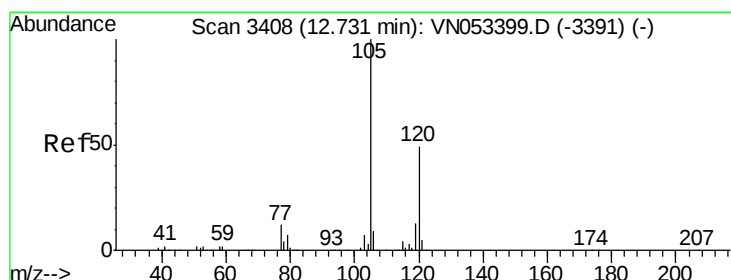
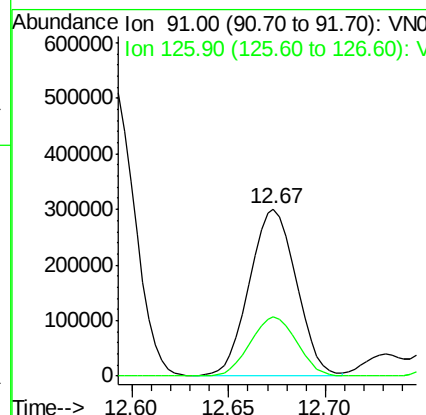
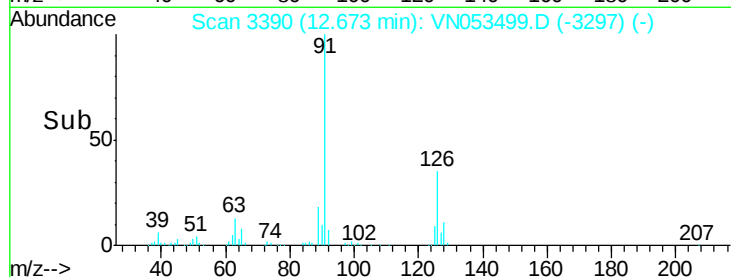
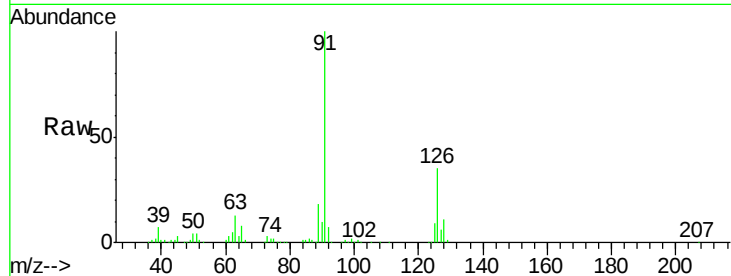
Ion Ratio Lower Upper

91 100

126 35.6 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 20.626 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053499.D

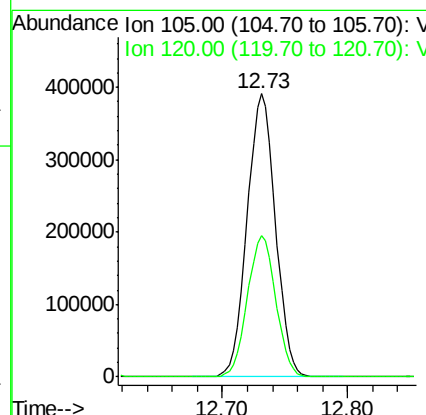
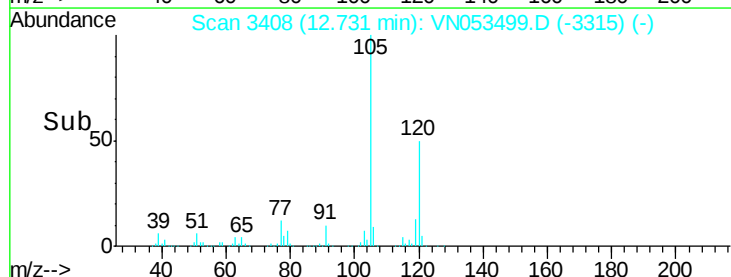
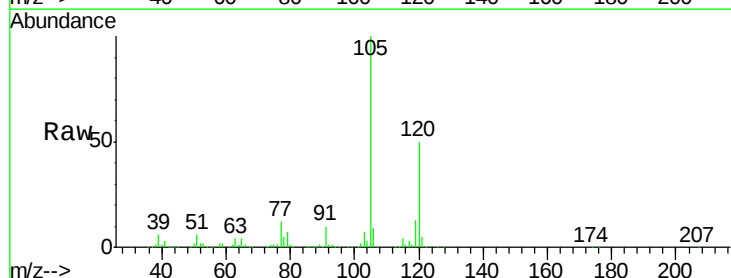
Acq: 21 Jan 2019 11:52

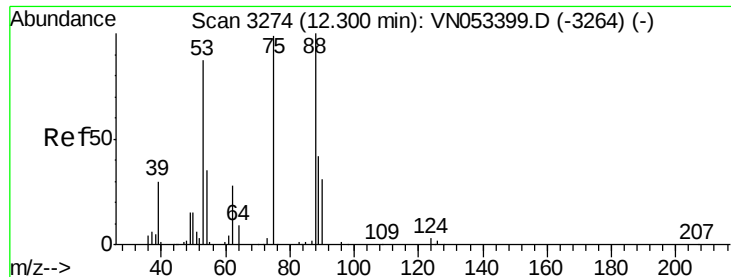
Tgt Ion: 105 Resp: 611675

Ion Ratio Lower Upper

105 100

120 50.2 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.763 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Instrument :

MSVOA_N

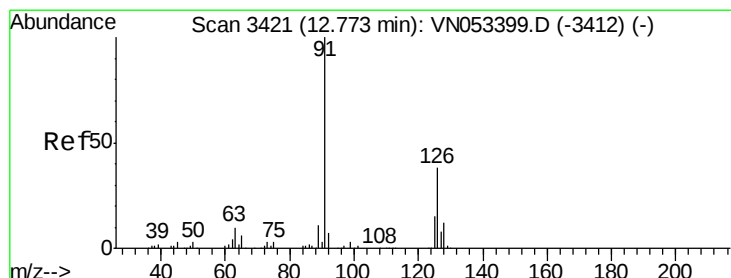
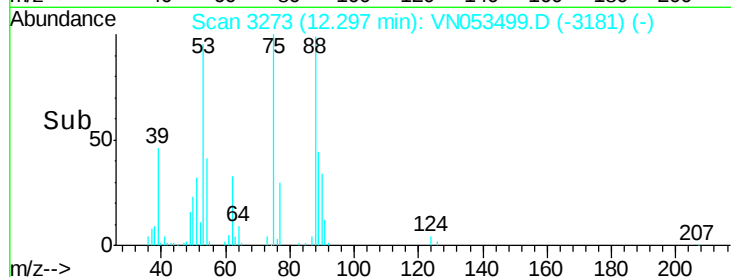
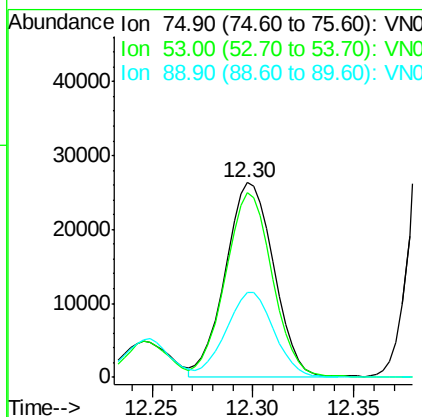
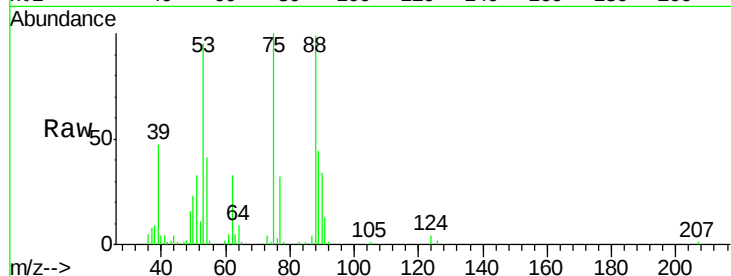
ClientSampleId :

VN0121WBS01

Tot Ion:	75	Resp:	44307
Ion	Ratio	Lower	Upper
75	100		
53	92.1	69.8	104.6
89	43.1	35.6	53.4

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#82

4-Chlorotoluene

Concen: 20.321 ug/l

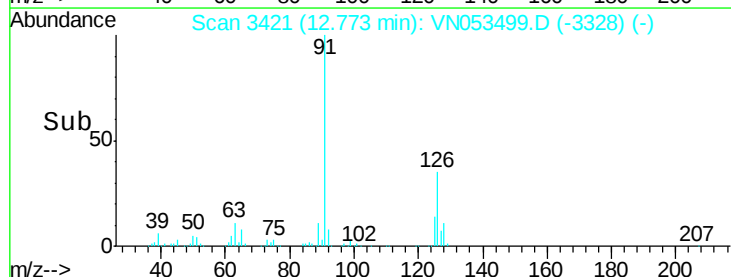
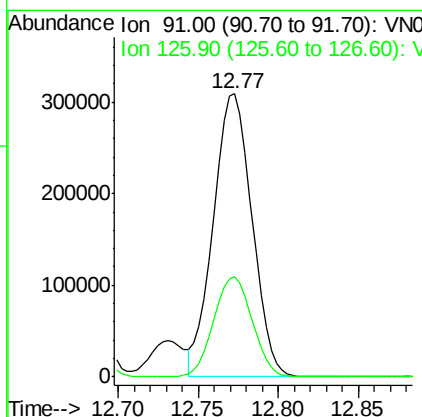
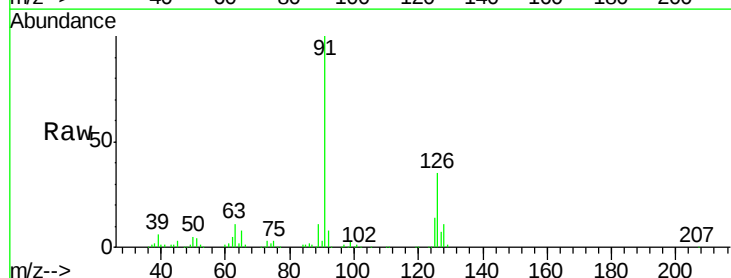
RT: 12.77 min Scan# 3421

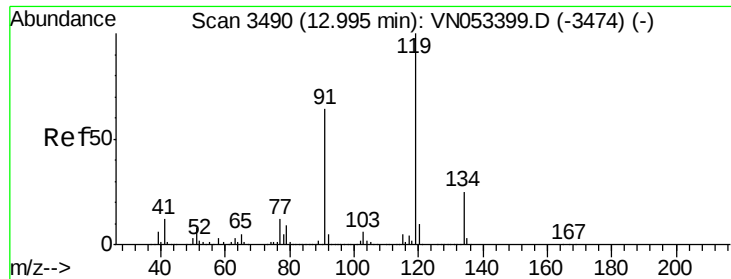
Delta R.T. 0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Tgt Ion:	91	Resp:	513908
Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.6	52.9





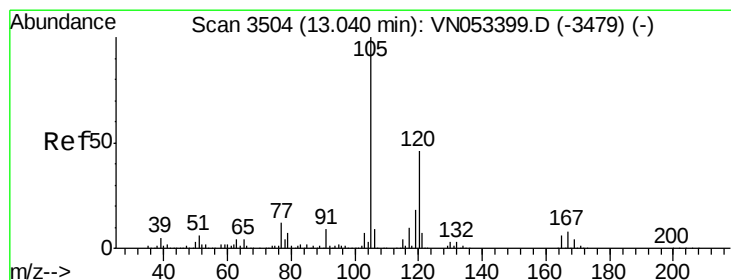
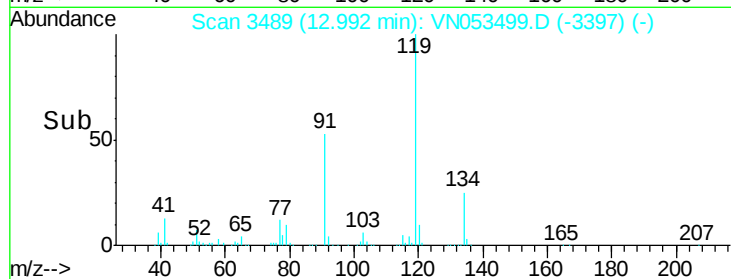
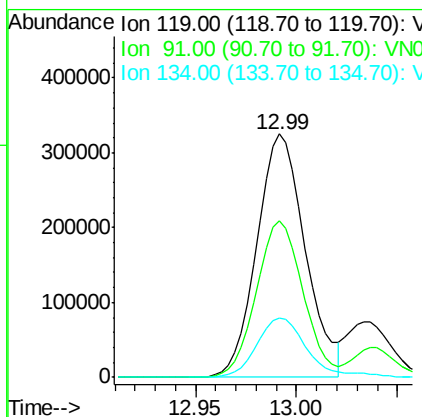
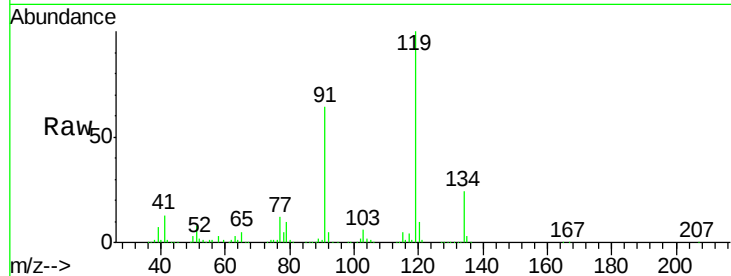
#83
 tert-Butylbenzene
 Concen: 20.806 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053499.D
 Acq: 21 Jan 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	544963		
91	62.0		31.3	93.8
134	25.5		12.9	38.7

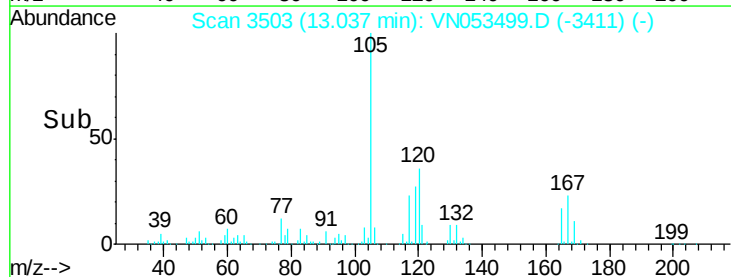
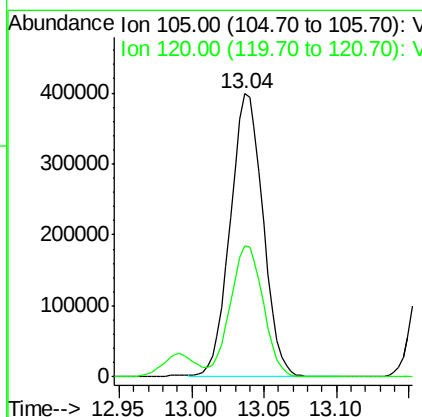
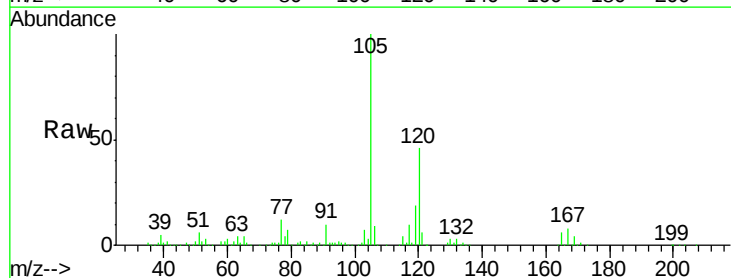
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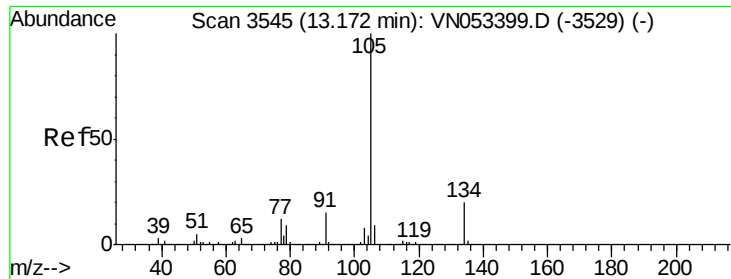
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.925 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN053499.D
 Acq: 21 Jan 2019 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	625683		
120	46.5		23.0	69.0





#85

sec-Butylbenzene

Concen: 20.539 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBS01

Tot Ion:105 Resp: 737799

Ion Ratio Lower Upper

105 100

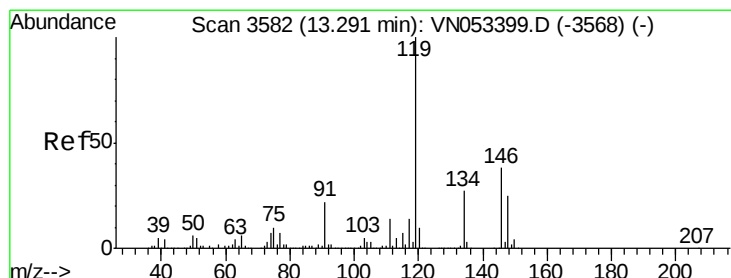
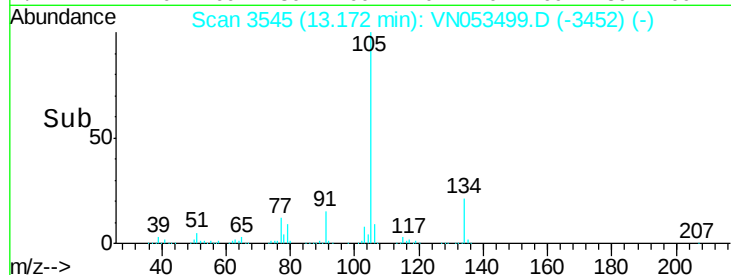
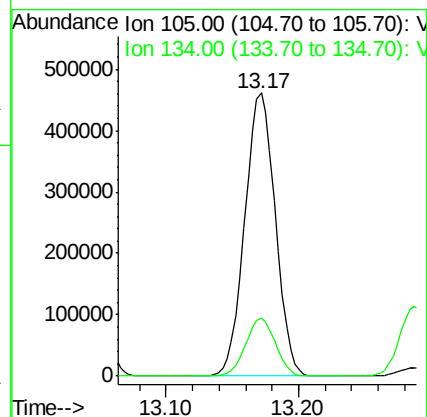
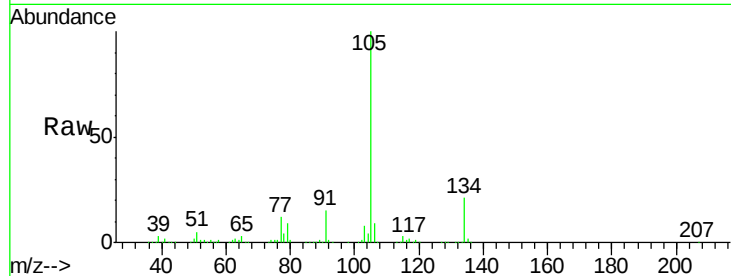
134 20.2 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 20.795 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053499.D

Acq: 21 Jan 2019 11:52

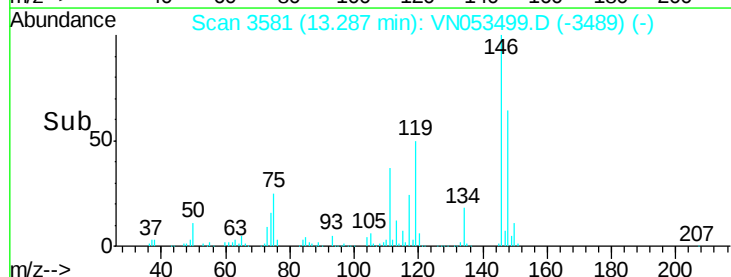
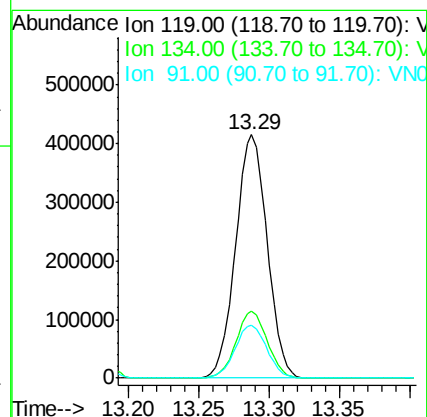
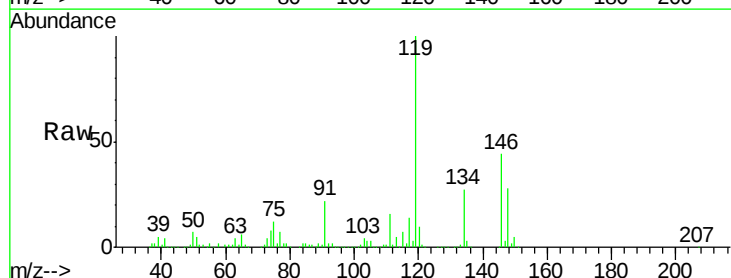
Tgt Ion:119 Resp: 648584

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

91 21.9 11.0 33.0





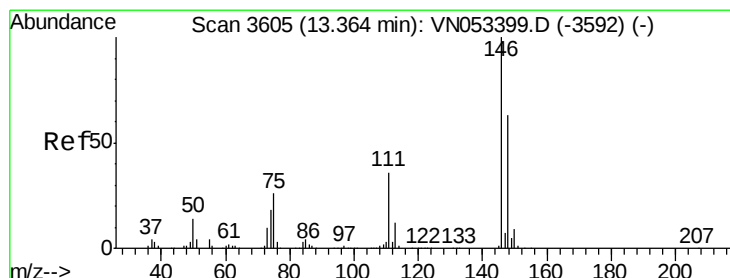
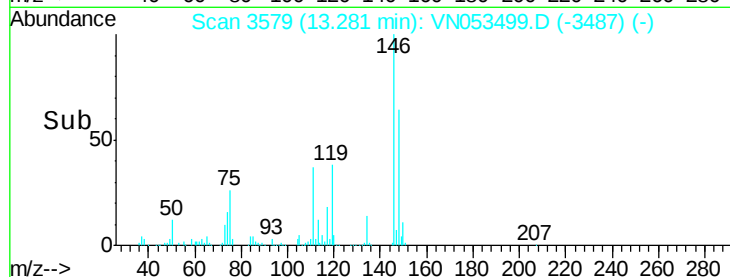
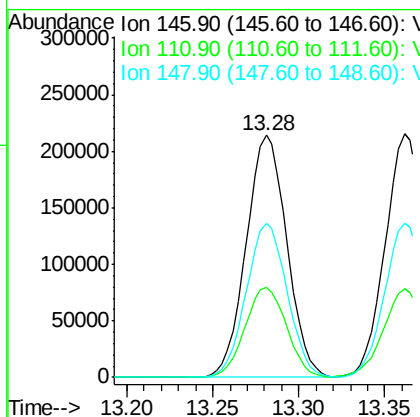
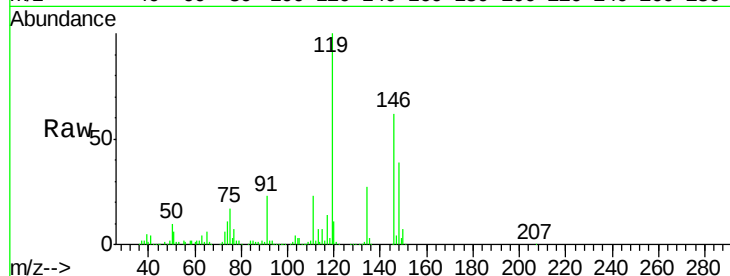
#87
 1,3-Dichlorobenzene
 Concen: 20.742 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053499.D
 Acq: 21 Jan 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.3
148	64.0	32.0	96.2

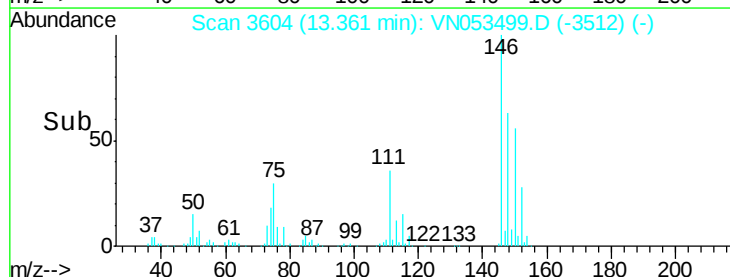
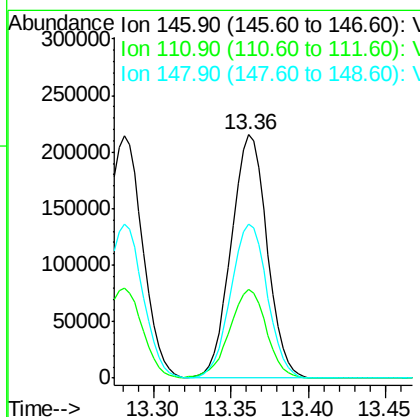
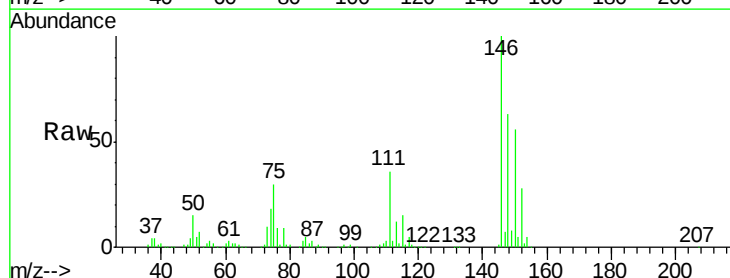
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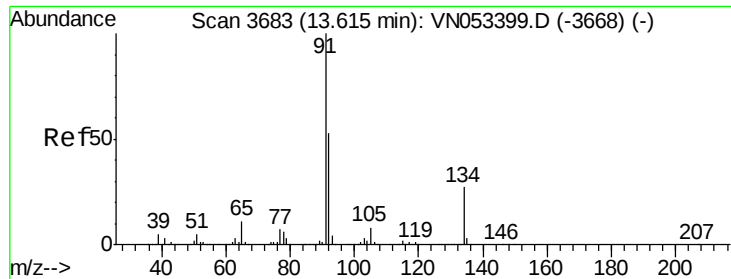
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#88
 1,4-Dichlorobenzene
 Concen: 20.426 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053499.D
 Acq: 21 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.6	55.8
148	64.6	32.4	97.0





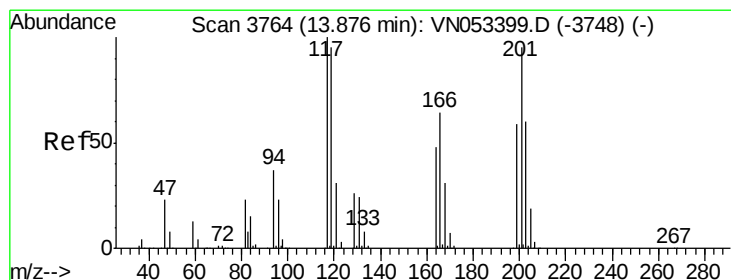
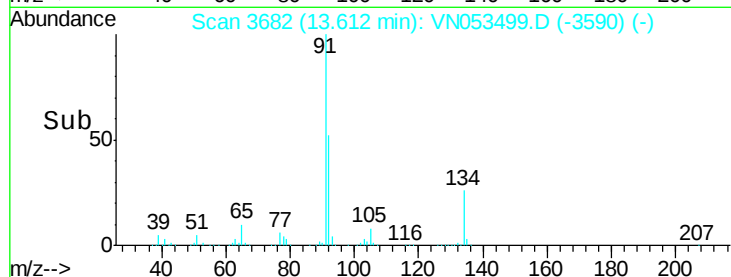
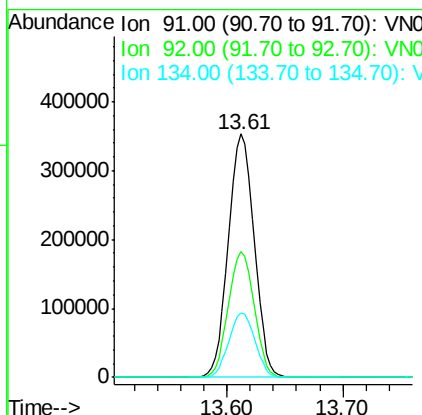
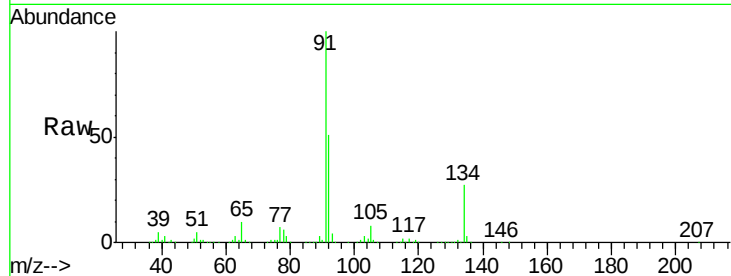
#89
n-Butylbenzene
Concen: 20.384 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.3	78.8
134	26.7	13.5	40.5

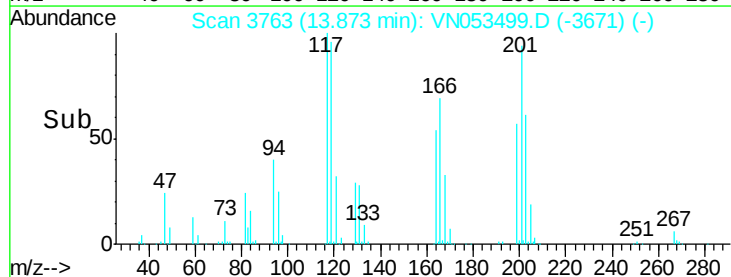
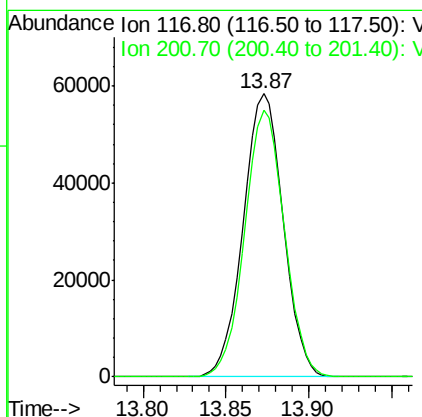
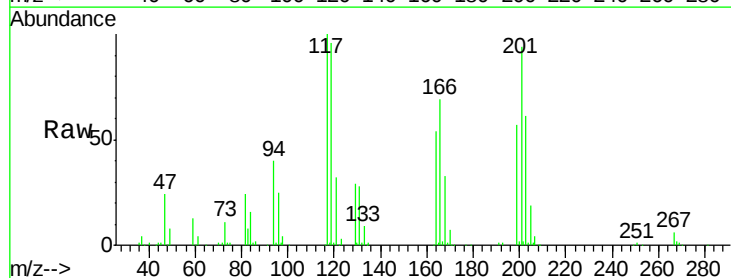
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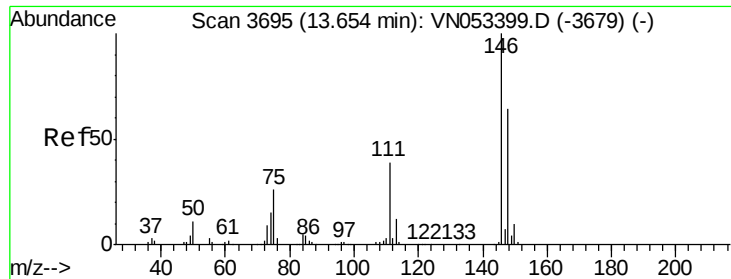
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#90
Hexachloroethane
Concen: 20.087 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.2	46.8	140.4





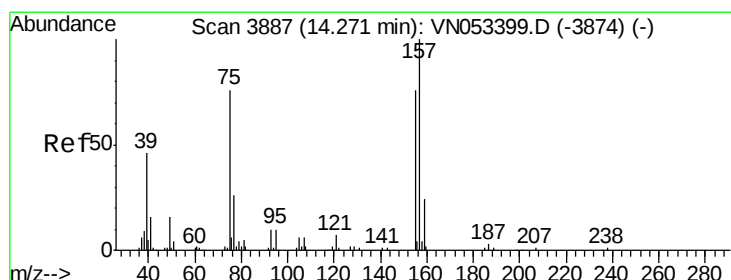
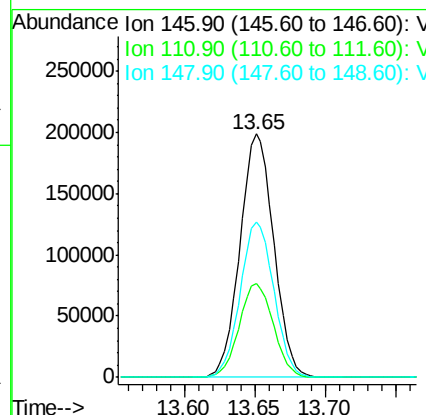
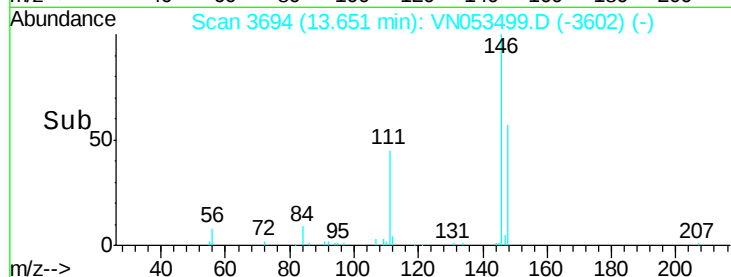
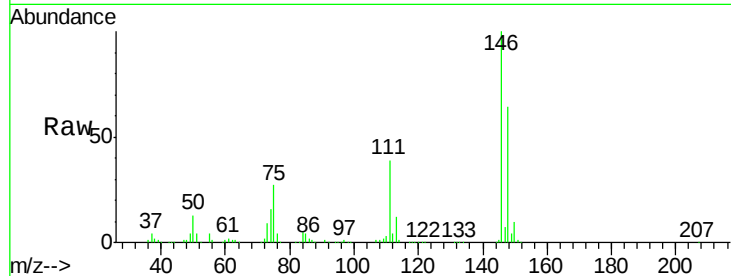
#91
 1,2-Dichlorobenzene
 Concen: 21.431 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN053499.D
 Acq: 21 Jan 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	63.8	31.9	95.9

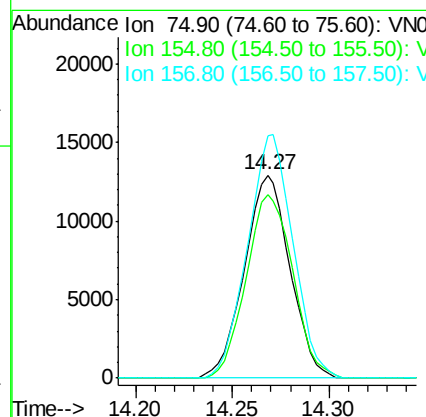
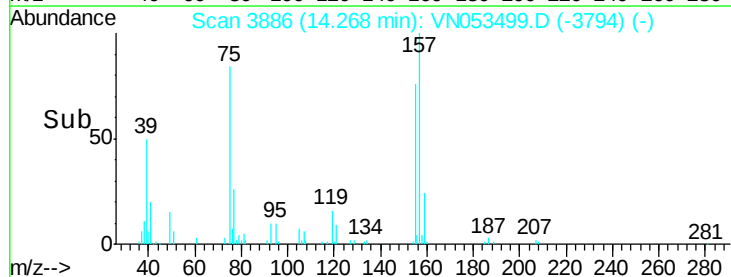
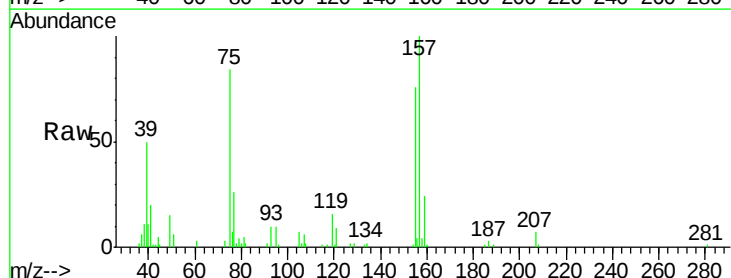
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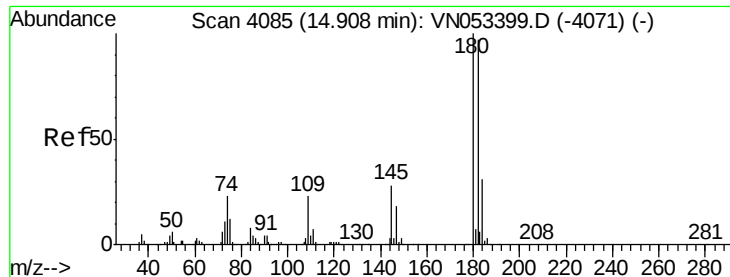
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 1/22/2019 9:47:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.880 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053499.D
 Acq: 21 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.3	48.9	146.7
157	119.4	63.7	191.3





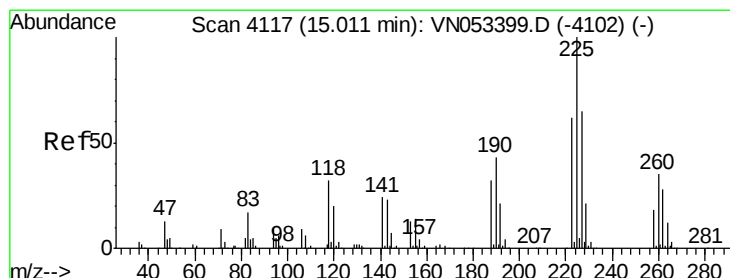
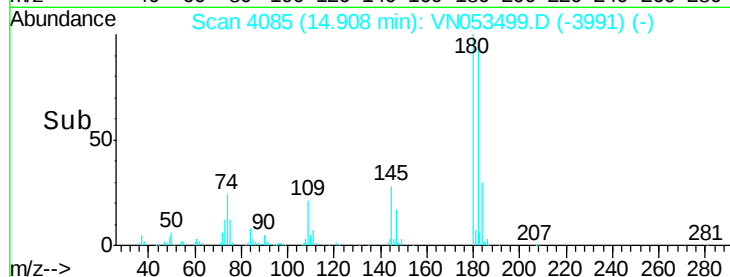
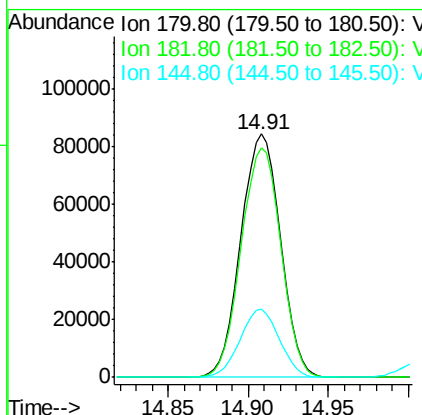
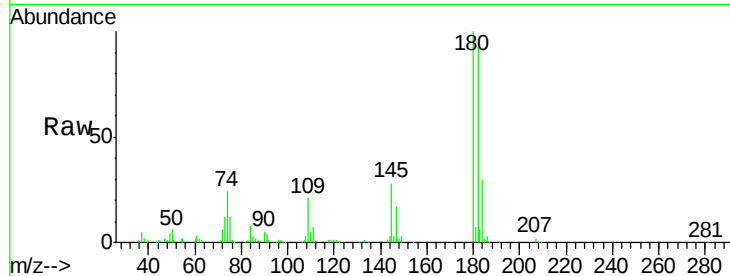
#93
 1,2,4-Trichlorobenzene
 Concen: 22.487 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053499.D
 Acq: 21 Jan 2019 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	143163		
182	94.5	48.1	144.3	
145	27.5	13.9	41.6	

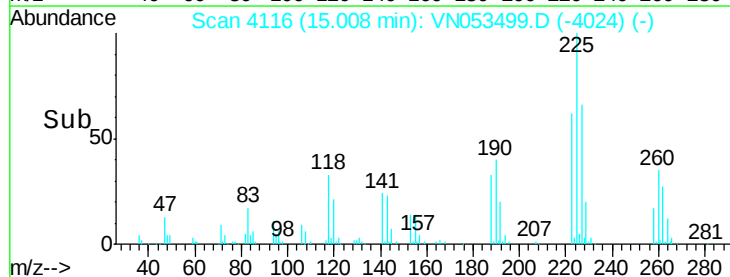
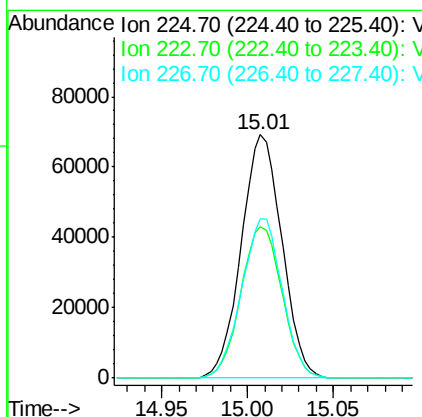
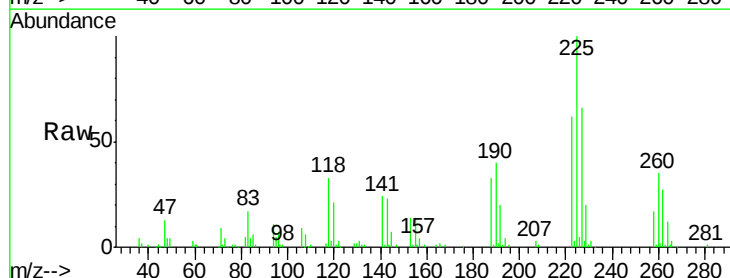
Manual Integrations
 APPROVED

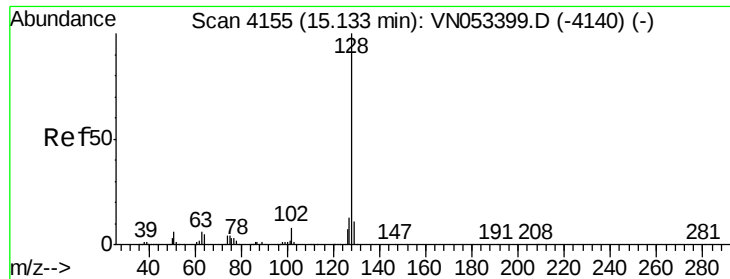
MMDadoda
 1/22/2019 9:47:25 AM



#94
 Hexachlorobutadiene
 Concen: 23.410 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053499.D
 Acq: 21 Jan 2019 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	113500		
223	63.0	31.1	93.2	
227	65.3	32.0	96.2	





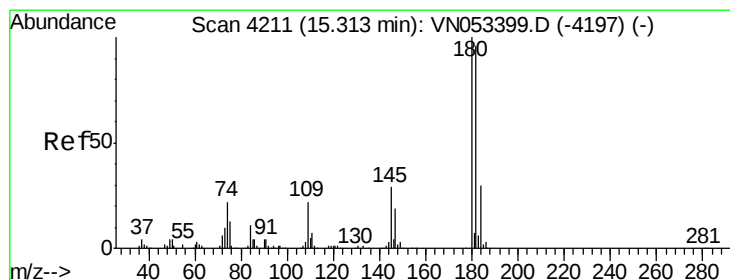
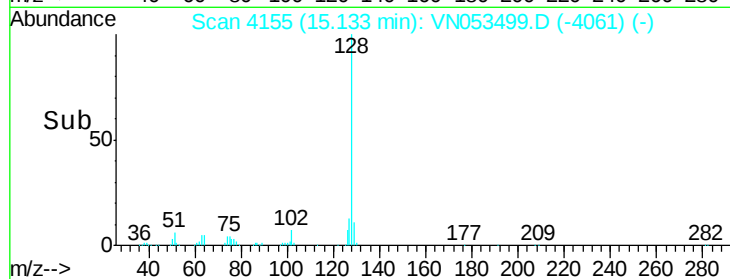
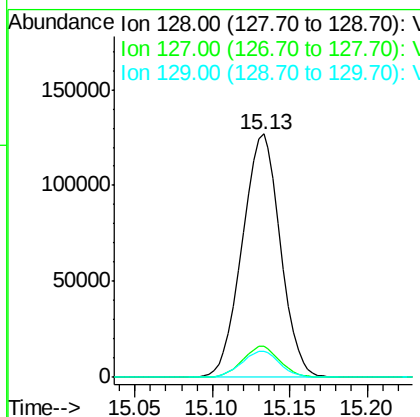
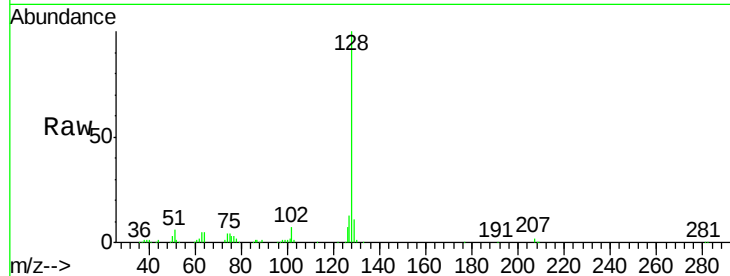
#95
Naphthalene
Concen: 20.625 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/22/2019 9:47:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.424 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053499.D
Acq: 21 Jan 2019 11:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.8
145	29.6	14.7	44.1

