

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012119\
 Data File : VN053498.D
 Acq On : 21 Jan 2019 11:25
 Operator : JC/SP
 Sample : VN0121MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBS01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 9:47:20 AM

Quant Time: Jan 22 04:38:07 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	733165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1089200	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	989368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	492563	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	367220	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
35) Dibromofluoromethane	7.59	113	336851	54.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.38%	
50) Toluene-d8	10.09	98	1345467	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
62) 4-Bromofluorobenzene	12.40	95	463907	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	117206	19.883	ug/l 98
3) Chloromethane	2.06	50	159146	18.883	ug/l 100
4) Vinyl Chloride	2.19	62	157734	19.416	ug/l 99
5) Bromomethane	2.56	94	109324	19.612	ug/l 100
6) Chloroethane	2.71	64	98207	19.994	ug/l 99
7) Trichlorofluoromethane	3.02	101	217144	20.434	ug/l 98
8) Diethyl Ether	3.41	74	80018	20.049	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	138608	20.596	ug/l 100
10) Methyl Iodide	3.96	142	199312	19.380	ug/l 99
11) Tert butyl alcohol	4.77	59	32157	90.687	ug/l 98
12) 1,1-Dichloroethene	3.74	96	130842	20.045	ug/l 98
13) Acrolein	3.60	56	51926	90.958	ug/l 100
14) Allyl chloride	4.33	41	214386	20.220	ug/l 99
15) Acrylonitrile	4.99	53	229014	98.137	ug/l 99
16) Acetone	3.81	43	168572	99.149	ug/l 99
17) Carbon Disulfide	4.06	76	367981	18.642	ug/l 100
18) Methyl Acetate	4.32	43	113849	19.875	ug/l 100
19) Methyl tert-butyl Ether	5.04	73	348316	20.083	ug/l 100
20) Methylene Chloride	4.55	84	153988	19.838	ug/l 98
21) trans-1,2-Dichloroethene	5.04	96	141952	20.341	ug/l 98
22) Diisopropyl ether	5.95	45	457098	20.651	ug/l 97
23) Vinyl Acetate	5.89	43	1352269	99.386	ug/l 99
24) 1,1-Dichloroethane	5.85	63	268512	20.521	ug/l 99
25) 2-Butanone	6.83	43	250854	95.745	ug/l 99
26) 2,2-Dichloropropane	6.82	77	201404	20.386	ug/l 99
27) cis-1,2-Dichloroethene	6.82	96	163514	20.490	ug/l 99
28) Bromochloromethane	7.19	49	120786	20.954	ug/l 98
29) Tetrahydrofuran	7.21	42	164709	96.568	ug/l 99
30) Chloroform	7.37	83	268157	21.034	ug/l 98
31) Cyclohexane	7.65	56	250510	19.536	ug/l 93
32) 1,1,1-Trichloroethane	7.57	97	224596	20.768	ug/l 99
36) 1,1-Dichloropropene	7.79	75	204233	20.589	ug/l 99
37) Ethyl Acetate	6.92	43	108448	19.003	ug/l 99
38) Carbon Tetrachloride	7.77	117	194038	20.662	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	244406	19.935	ug/l	100
40) Benzene	8.04	78	624554	20.719	ug/l	100
41) Methacrylonitrile	7.17	41	58527	17.696	ug/l #	91
42) 1,2-Dichloroethane	8.12	62	183147	20.856	ug/l	99
43) Isopropyl Acetate	8.16	43	206084	20.083	ug/l	99
44) Trichloroethene	8.83	130	175446	20.988	ug/l	100
45) 1,2-Dichloropropane	9.12	63	166243	20.822	ug/l	99
46) Dibromomethane	9.21	93	91324	19.909	ug/l	97
47) Bromodichloromethane	9.40	83	199836	20.715	ug/l	99
48) Methyl methacrylate	9.19	41	101181	19.096	ug/l	98
49) 1,4-Dioxane	9.20	88	19540	377.617	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	546745	97.601	ug/l	100
52) Toluene	10.15	92	385534	20.602	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	198164	20.266	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	236891	20.667	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	134207	20.801	ug/l	99
56) Ethyl methacrylate	10.43	69	159629	18.774	ug/l	99
57) 1,3-Dichloropropane	10.71	76	231048	20.702	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	434886	96.350	ug/l	99
59) 2-Hexanone	10.75	43	376417	95.721	ug/l	99
60) Dibromochloromethane	10.90	129	148865	20.343	ug/l	98
61) 1,2-Dibromoethane	11.00	107	130128	19.943	ug/l	99
64) Tetrachloroethene	10.63	164	201560	21.618	ug/l	99
65) Chlorobenzene	11.43	112	434983	20.771	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	150787	20.697	ug/l	100
67) Ethyl Benzene	11.51	91	727409	20.382	ug/l	99
68) m/p-Xylenes	11.62	106	567806	42.138	ug/l	98
69) o-Xylene	11.95	106	271638	20.746	ug/l	98
70) Styrene	11.96	104	445420	20.961	ug/l	99
71) Bromoform	12.12	173	101817	20.300	ug/l #	99
73) Isopropylbenzene	12.25	105	721485	20.002	ug/l	99
74) N-amyl acetate	12.07	43	177703	18.481	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	137931	18.233	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	122020m	18.798	ug/l	
77) Bromobenzene	12.52	156	188236	19.804	ug/l	99
78) n-propylbenzene	12.59	91	837613	20.230	ug/l	100
79) 2-Chlorotoluene	12.67	91	493689	20.116	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	601692	20.502	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	42536	18.277	ug/l	95
82) 4-Chlorotoluene	12.77	91	506860	20.252	ug/l	100
83) tert-Butylbenzene	12.99	119	529744	20.437	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	613955	20.747	ug/l	100
85) sec-Butylbenzene	13.17	105	727220	20.457	ug/l	99
86) p-Isopropyltoluene	13.29	119	639555	20.720	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	342228	20.469	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	337629	20.132	ug/l	99
89) n-Butylbenzene	13.61	91	525378	19.968	ug/l	99
90) Hexachloroethane	13.87	117	95203	19.666	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	324594	21.103	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19762	20.602	ug/l	97

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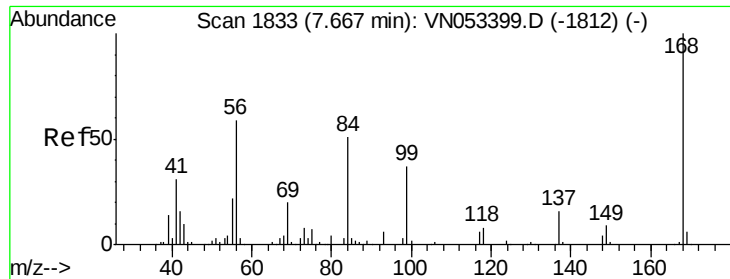
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	132563	21.218	ug/l	98
94) Hexachlorobutadiene	15.01	225	110507	23.031	ug/l	99
95) Naphthalene	15.13	128	197601	19.226	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	90350	20.677	ug/l	99

(#) = 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

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS01

Tot Ion:168 Resp: 733165

Ion Ratio Lower Upper

168 100

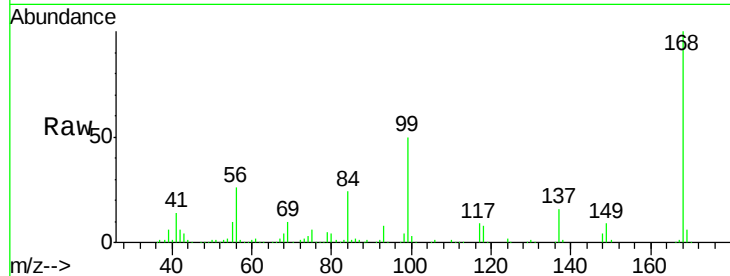
99 49.4 39.1 58.7

Manual Integrations

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1/22/2019 9:47:20 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

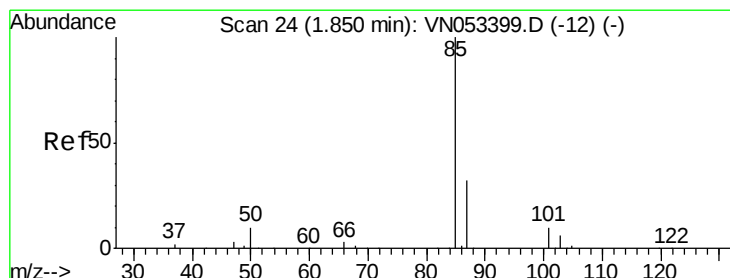
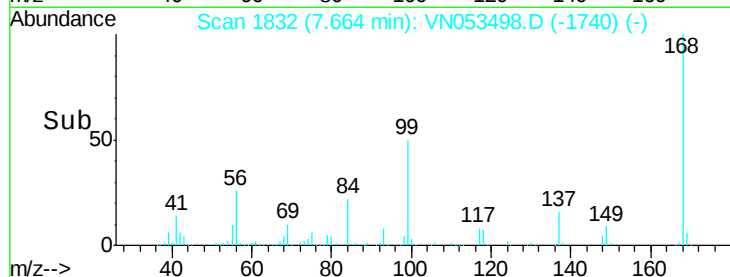
300000

200000

100000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 19.883 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053498.D

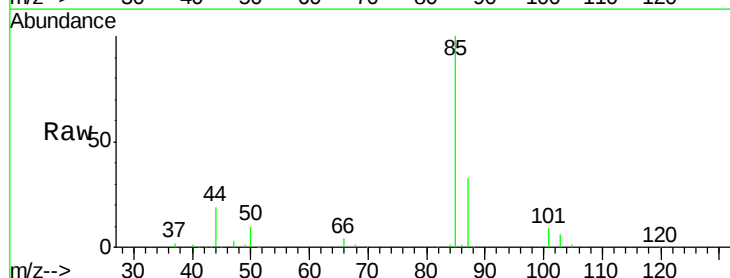
Acq: 21 Jan 2019 11:25

Tgt Ion: 85 Resp: 117206

Ion Ratio Lower Upper

85 100

87 33.3 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

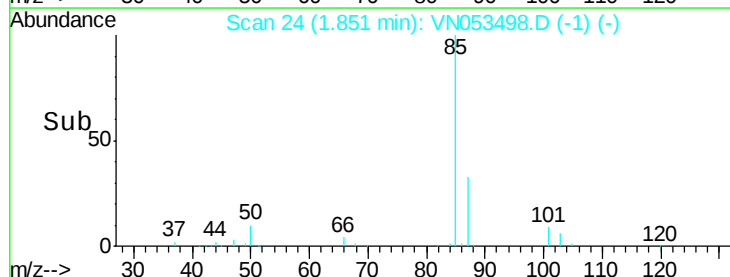
60000

40000

20000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.883 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS01

Tot Ion: 50 Resp: 159146

Ion Ratio Lower Upper

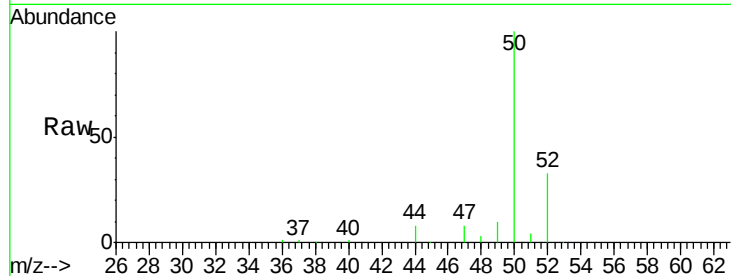
50 100

52 33.2 26.6 40.0

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

120000

100000

80000

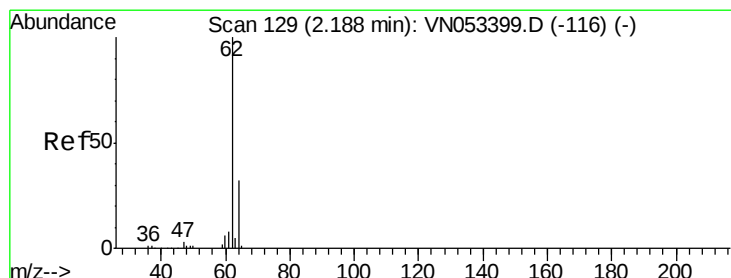
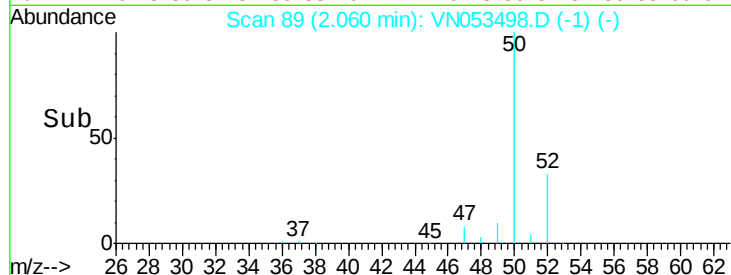
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 19.416 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053498.D

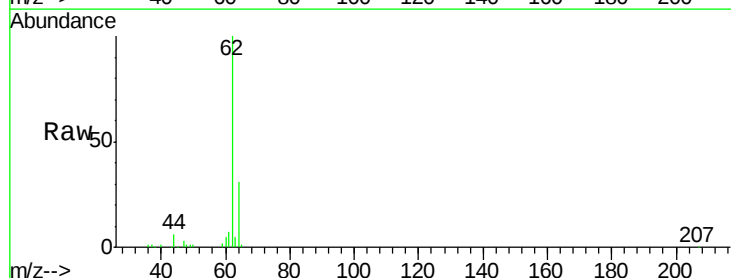
Acq: 21 Jan 2019 11:25

Tgt Ion: 62 Resp: 157734

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

120000

100000

80000

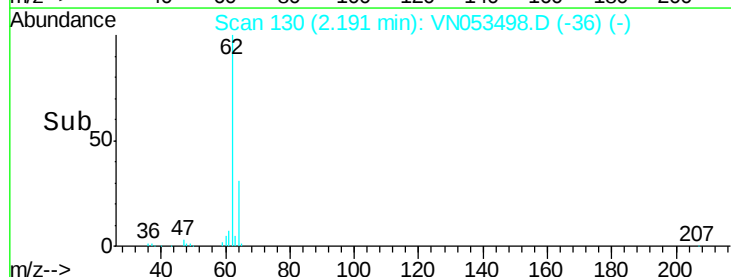
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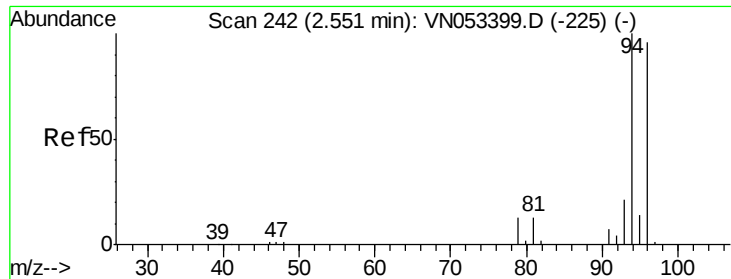
40000

20000

0

Time-->





#5

Bromomethane

Concen: 19.612 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS01

Tot Ion: 94 Resp: 109324

Ion Ratio Lower Upper

94 100

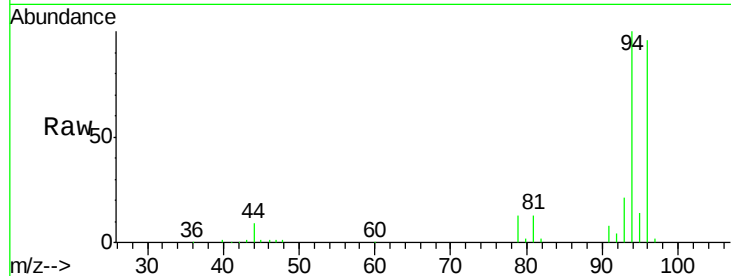
96 96.1 76.8 115.2

Manual Integrations

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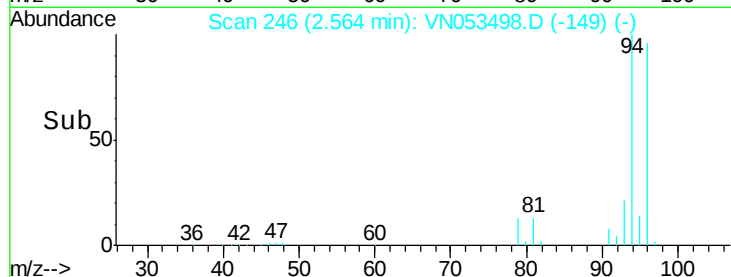


Abundance Ion 93.90 (93.60 to 94.60): VN053399.D (-225) (-)

Ion 95.90 (95.60 to 96.60): VN053399.D (-225) (-)

2.56

Time-->



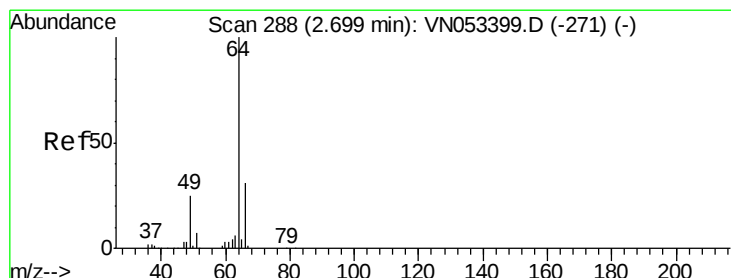
Abundance

Ion 93.90 (93.60 to 94.60): VN053498.D (-149) (-)

Ion 95.90 (95.60 to 96.60): VN053498.D (-149) (-)

2.56

Time-->



#6

Chloroethane

Concen: 19.994 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN053498.D

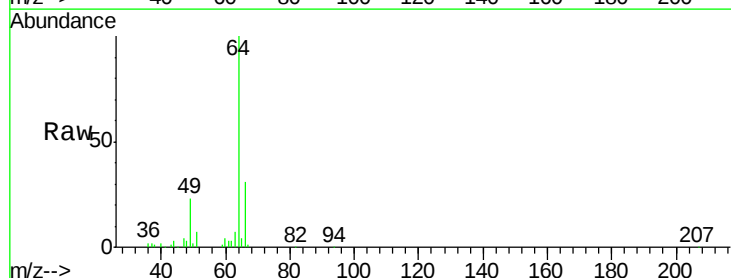
Acq: 21 Jan 2019 11:25

Tgt Ion: 64 Resp: 98207

Ion Ratio Lower Upper

64 100

66 30.8 25.1 37.7

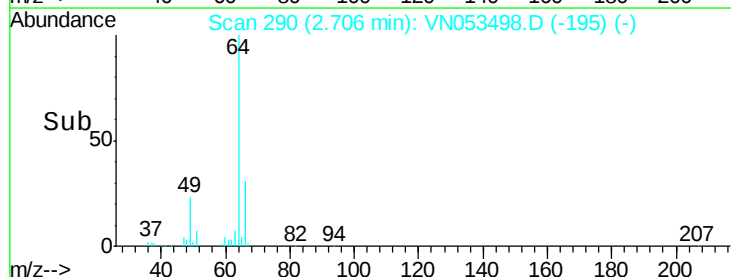


Abundance Ion 63.90 (63.60 to 64.60): VN053399.D (-271) (-)

Ion 65.90 (65.60 to 66.60): VN053399.D (-271) (-)

2.71

Time-->



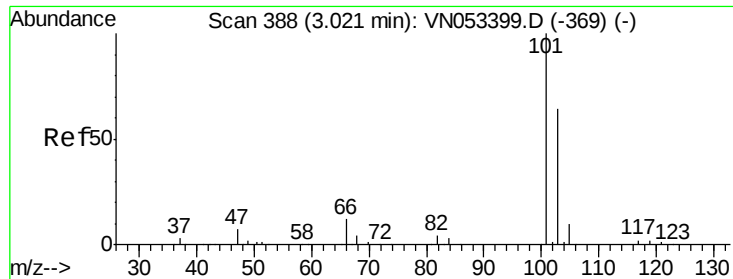
Abundance

Ion 63.90 (63.60 to 64.60): VN053498.D (-195) (-)

Ion 65.90 (65.60 to 66.60): VN053498.D (-195) (-)

2.71

Time-->



#7

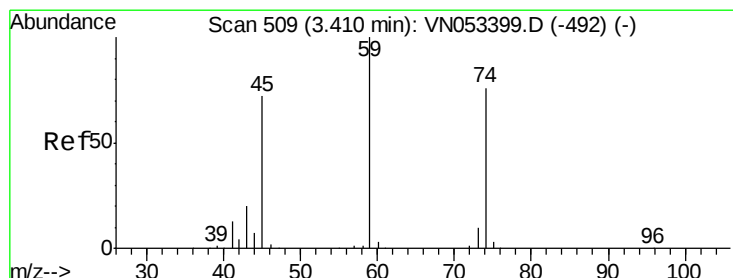
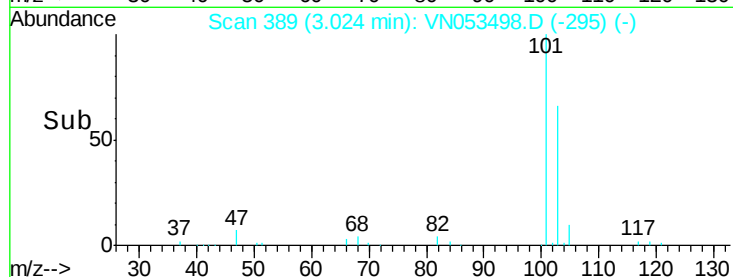
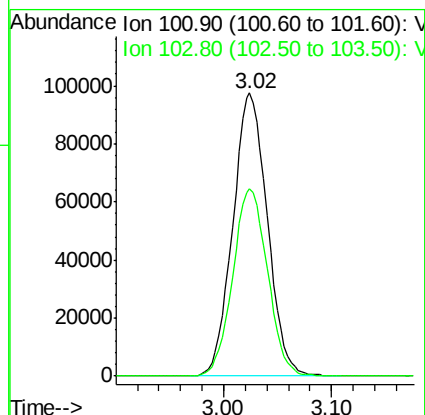
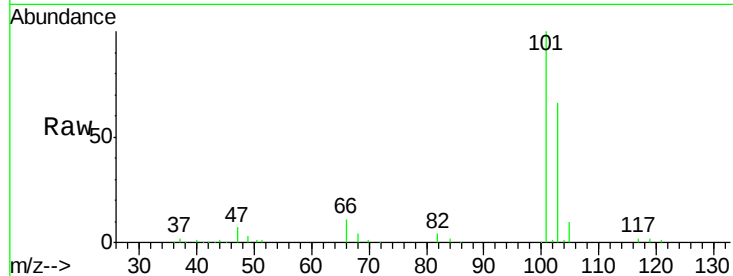
Trichlorofluoromethane
Concen: 20.434 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
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VN0121MBS01

Tot Ion:101 Resp: 217144
Ion Ratio Lower Upper
101 100
103 66.1 51.6 77.4

Manual Integrations
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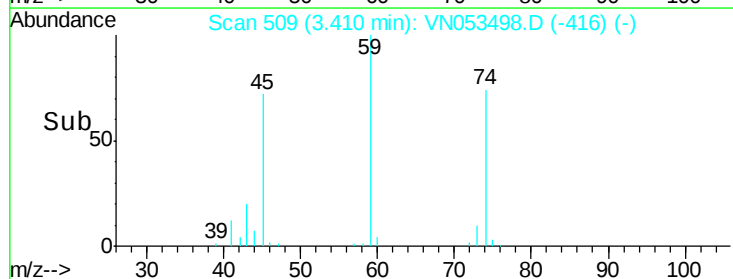
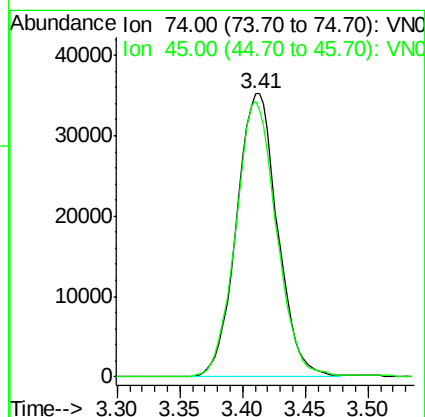
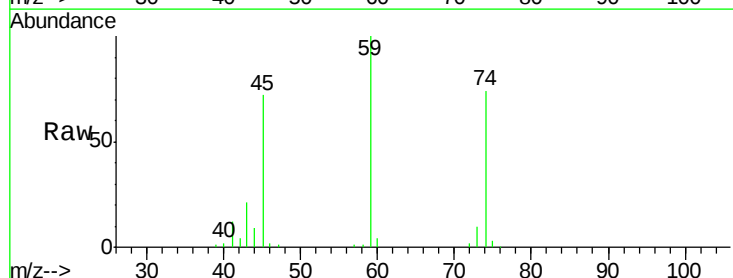
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1/22/2019 9:47:20 AM

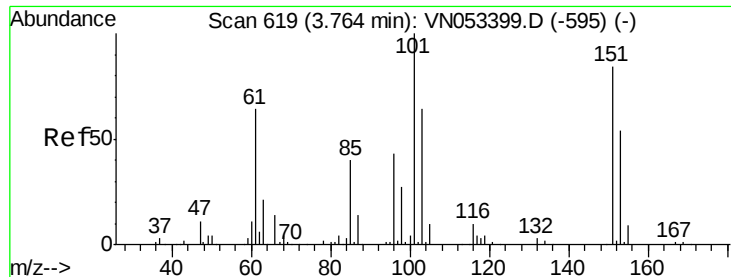


#8

Diethyl Ether
Concen: 20.049 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion: 74 Resp: 80018
Ion Ratio Lower Upper
74 100
45 97.0 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.596 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

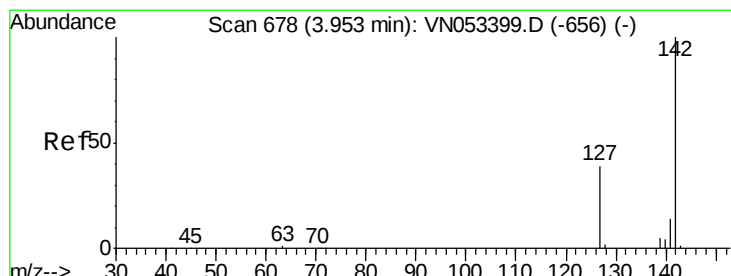
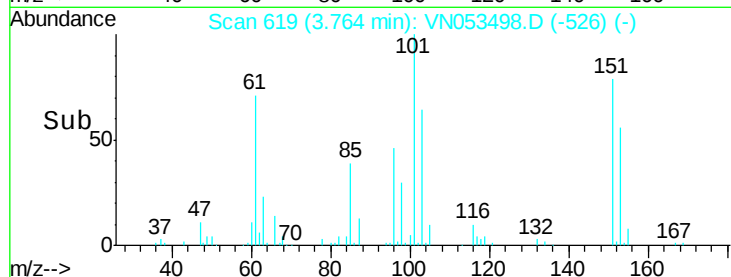
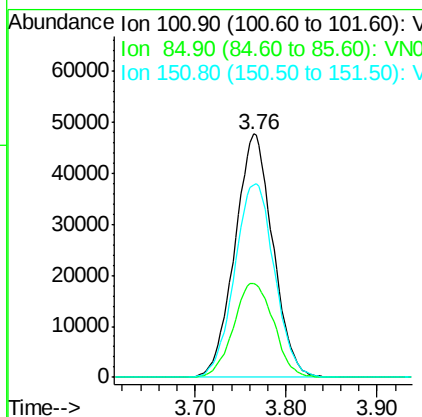
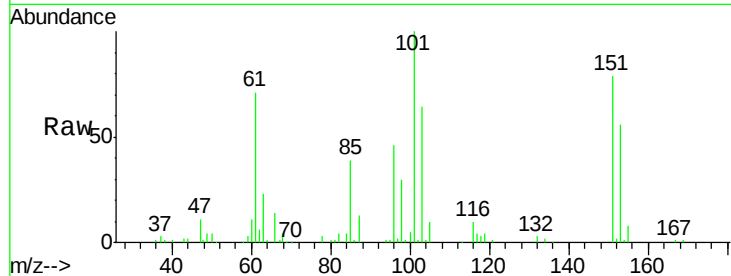
ClientSampleId :

VN0121MBS01

Tot Ion:	101	Resp:	138608
Ion Ratio	Lower	Upper	
101	100		
85	40.9	32.8	49.2
151	83.4	66.9	100.3

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#10

Methyl Iodide

Concen: 19.380 ug/l

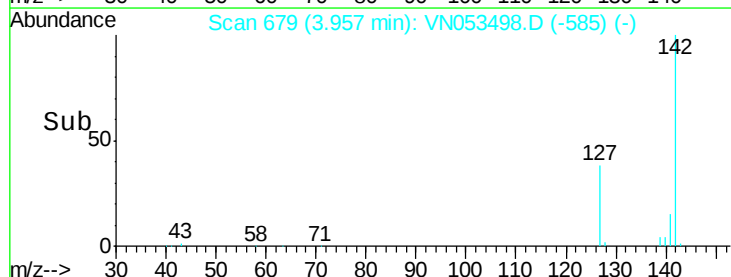
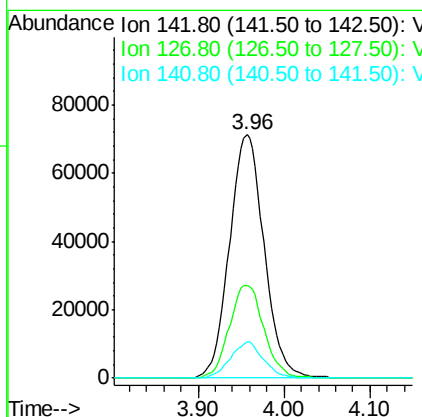
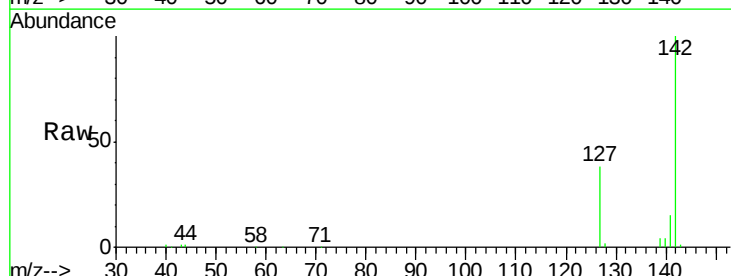
RT: 3.96 min Scan# 679

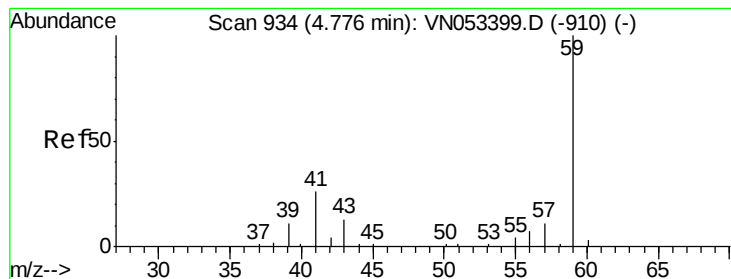
Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Tgt Ion:	142	Resp:	199312
Ion Ratio	Lower	Upper	
142	100		
127	38.2	31.0	46.4
141	14.2	11.1	16.7





#11

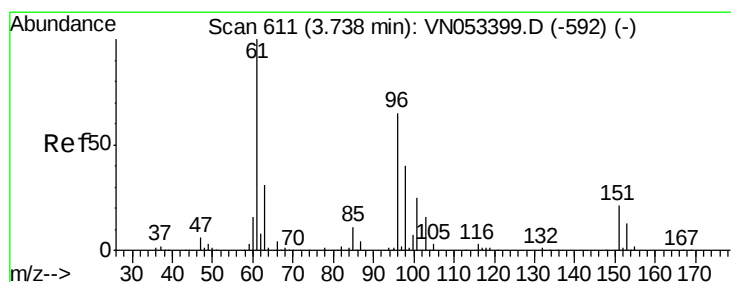
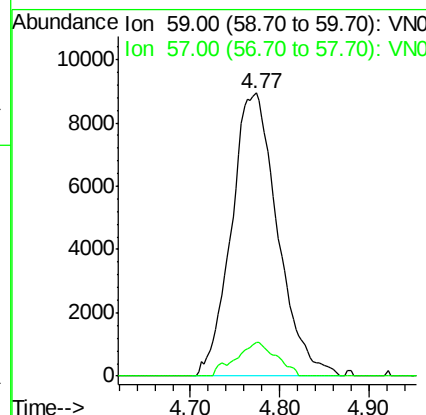
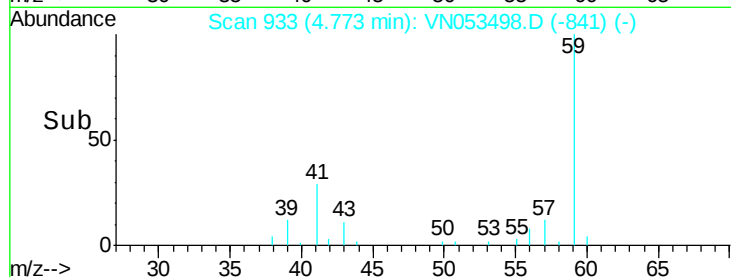
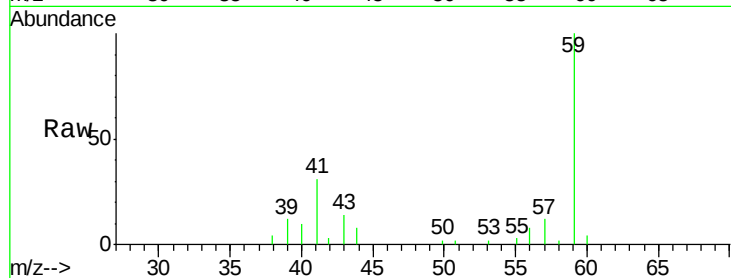
Tert butyl alcohol
Concen: 90.687 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.2	12.4

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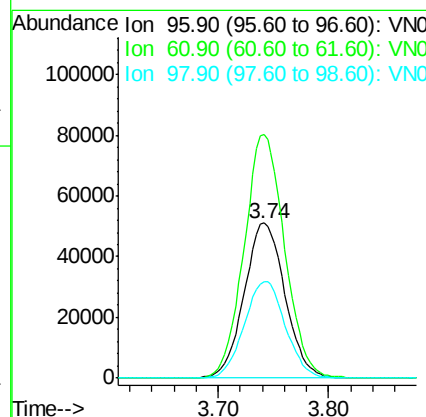
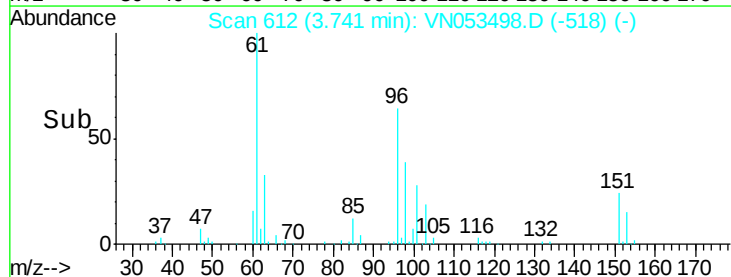
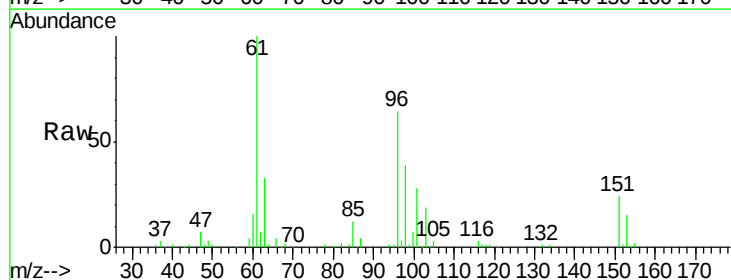
MMDadoda
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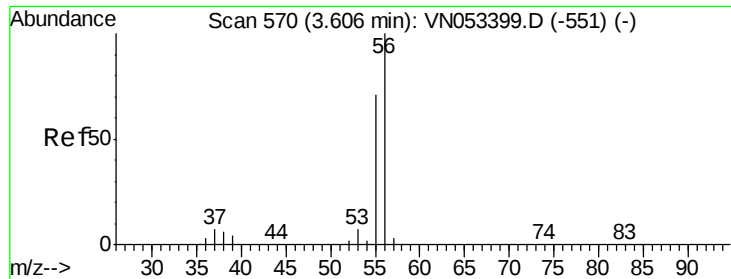


#12

1,1-Dichloroethene
Concen: 20.045 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.1	122.9	184.3
98	62.0	49.4	74.0





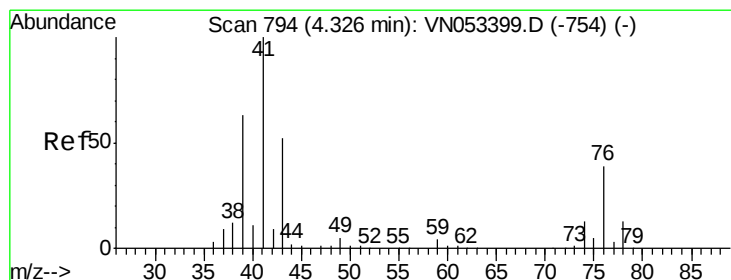
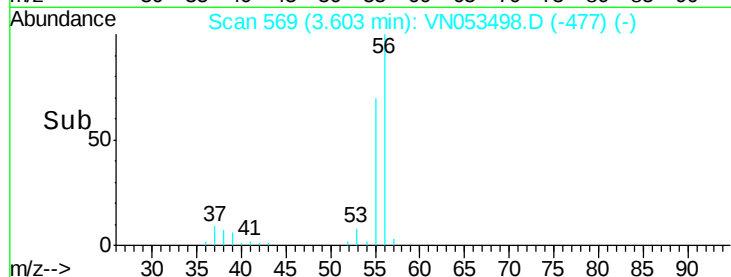
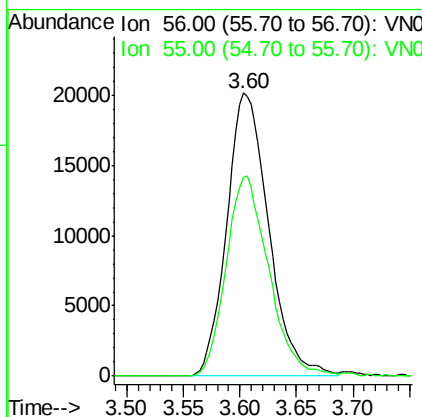
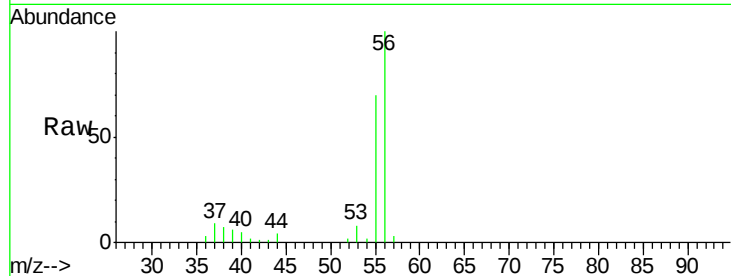
#13
Acrolein
Concen: 90.958 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	71.5	57.4	86.0	

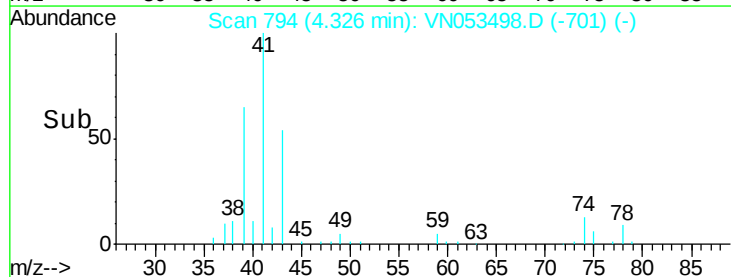
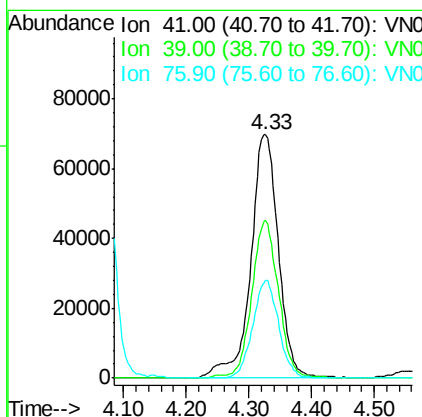
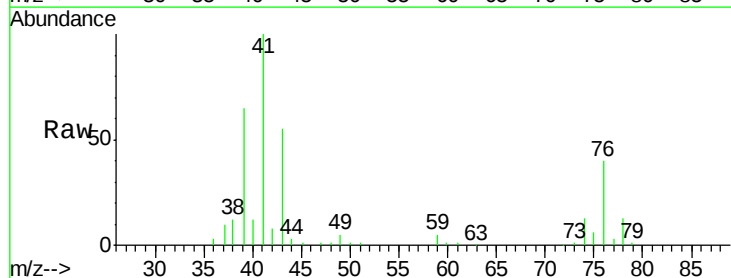
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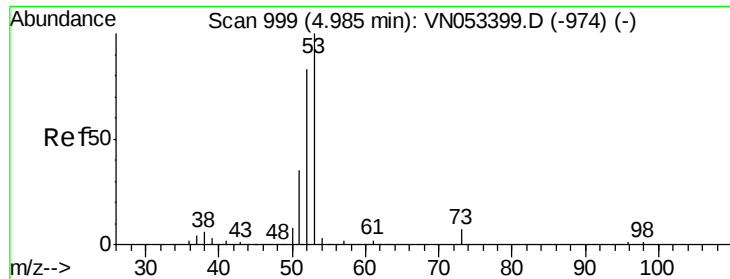
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#14
Allyl chloride
Concen: 20.220 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.9	48.9	73.3	
76	37.4	29.4	44.2	





#15

Acrylonitrile

Concen: 98.137 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

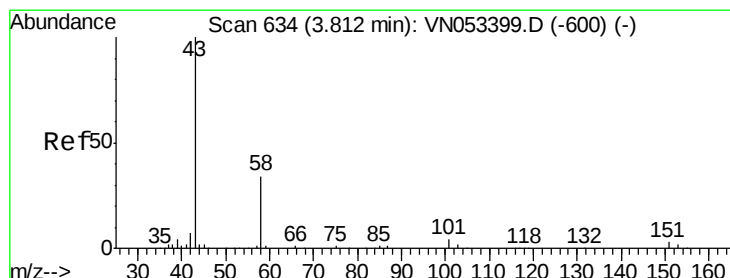
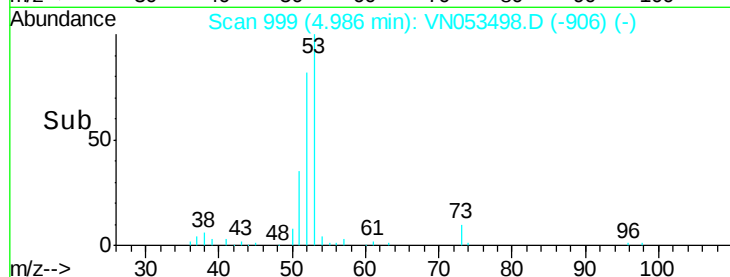
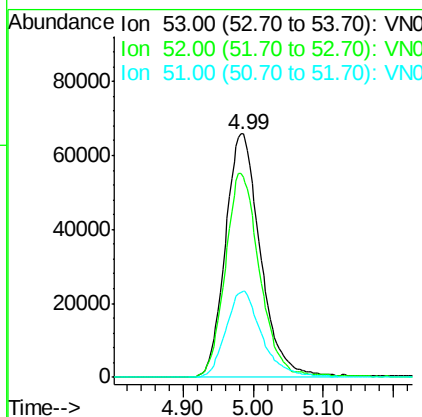
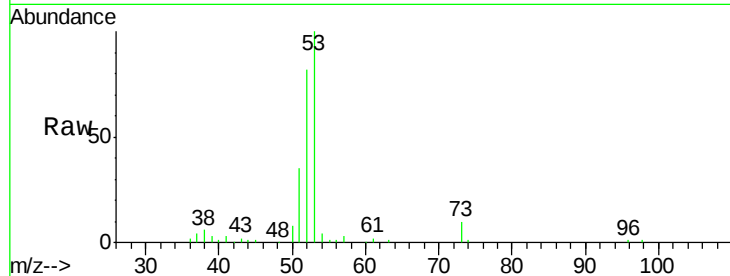
ClientSampleId :

VN0121MBS01

Tot Ion:	53	Resp:	229014
Ion Ratio	Lower	Upper	
53	100		
52	81.8	66.0	99.0
51	36.2	28.3	42.5

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#16

Acetone

Concen: 99.149 ug/l

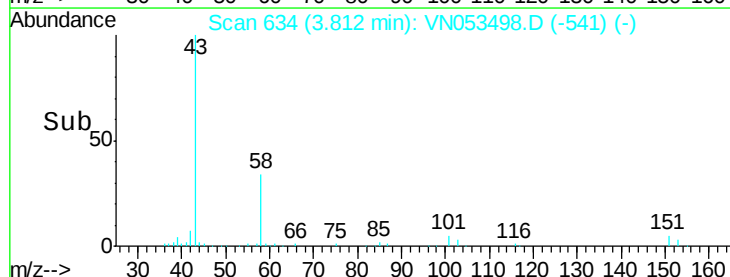
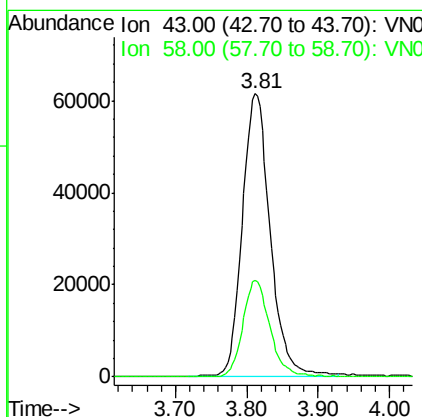
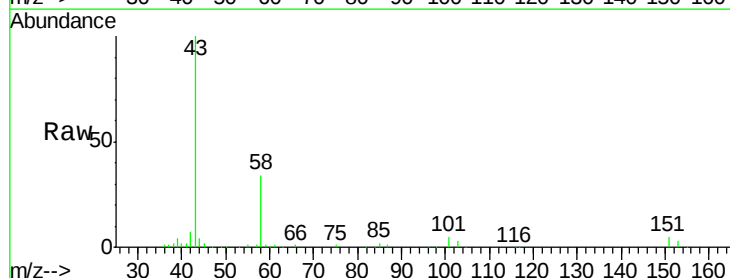
RT: 3.81 min Scan# 634

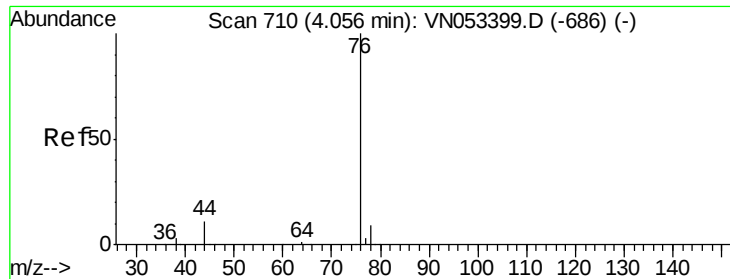
Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Tgt Ion:	43	Resp:	168572
Ion Ratio	Lower	Upper	
43	100		
58	34.2	27.1	40.7





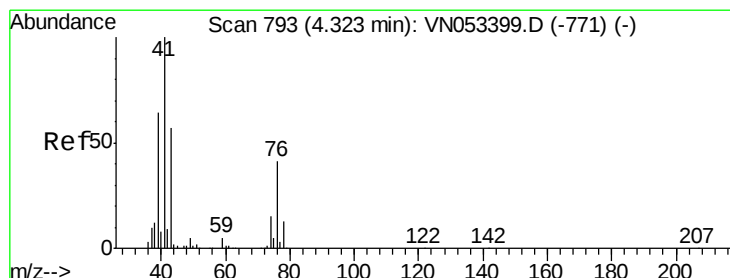
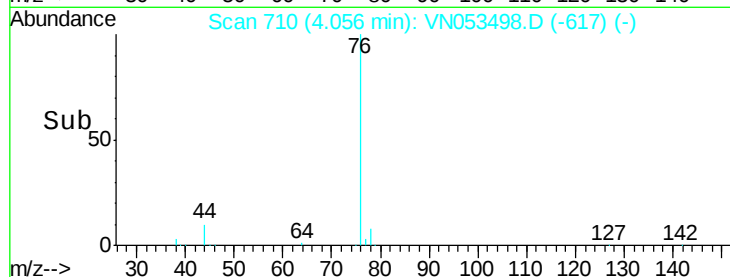
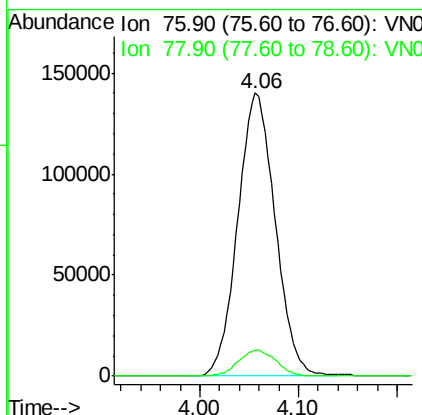
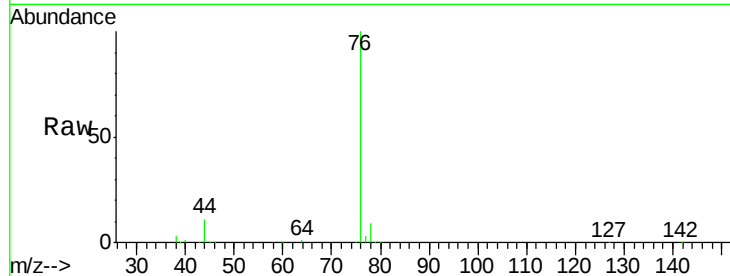
#17
Carbon Disulfide
Concen: 18.642 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

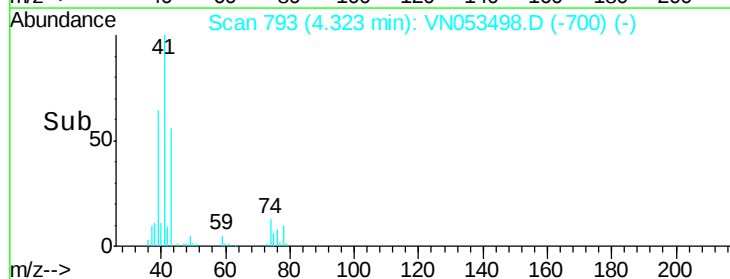
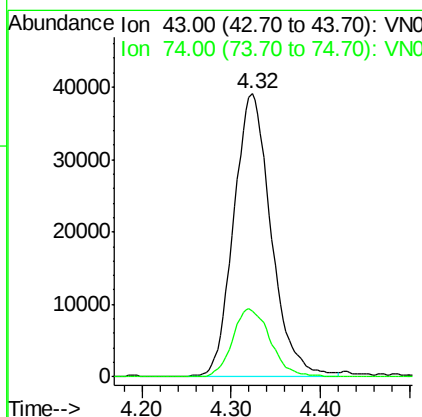
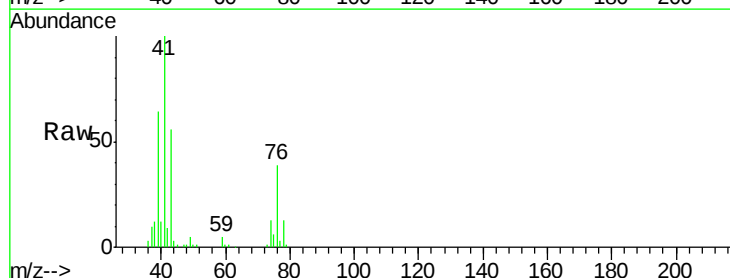
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#18
Methyl Acetate
Concen: 19.875 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.4	29.2





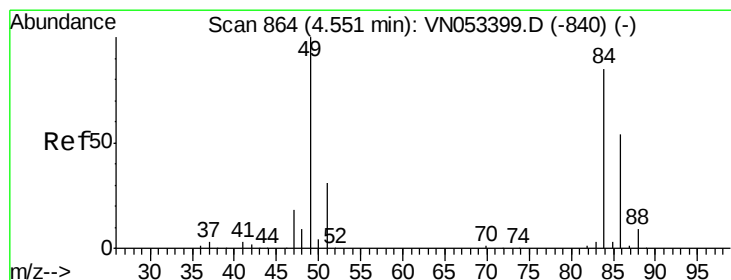
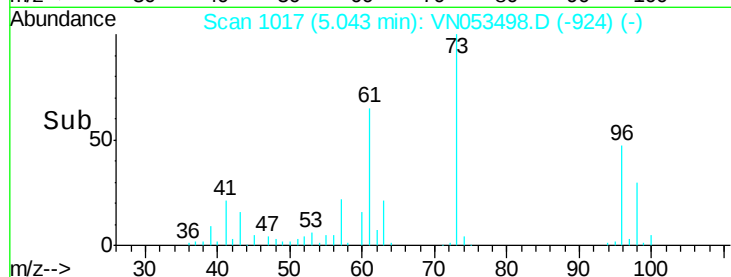
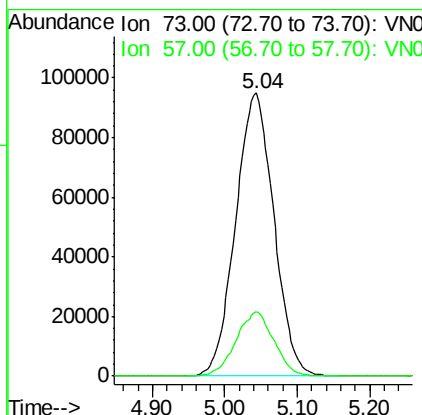
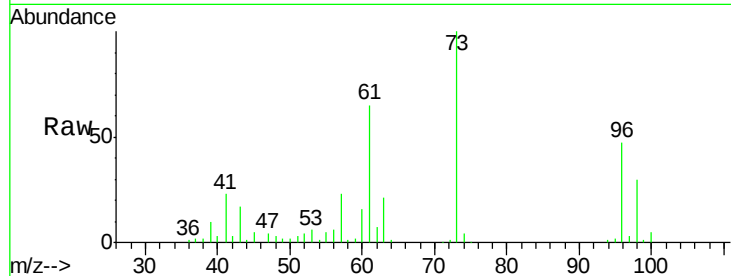
#19
Methvl tert-butvl Ether
Concen: 20.083 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion: 73 Resp: 348316
Ion Ratio Lower Upper
73 100
57 22.8 18.3 27.5

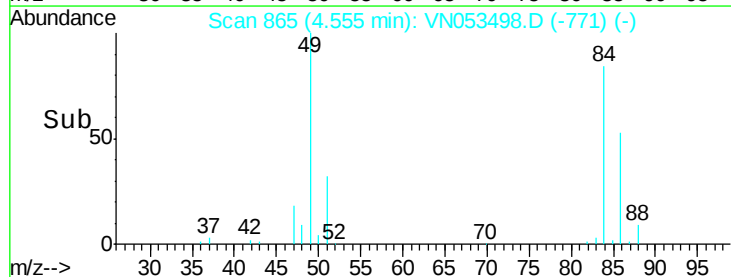
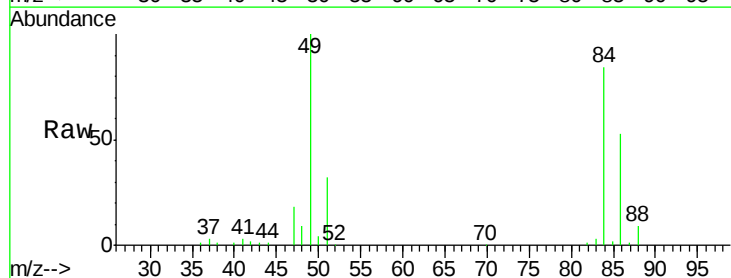
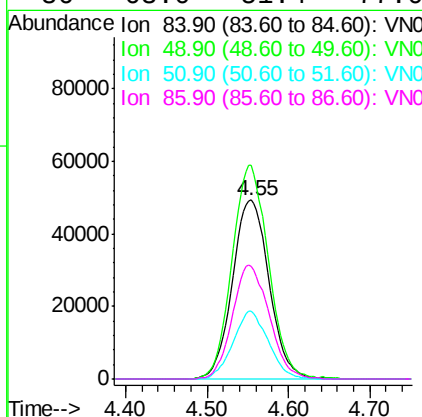
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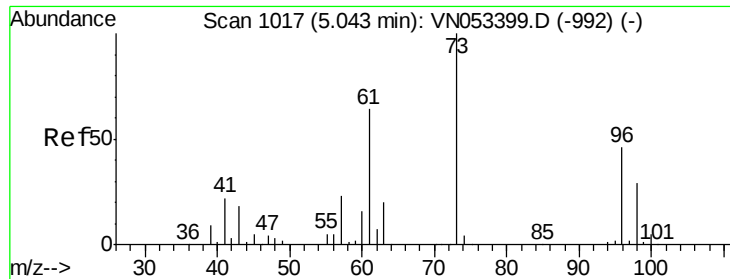
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#20
Methylene Chloride
Concen: 19.838 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion: 84 Resp: 153988
Ion Ratio Lower Upper
84 100
49 119.4 94.3 141.5
51 38.1 29.4 44.2
86 63.0 51.4 77.0





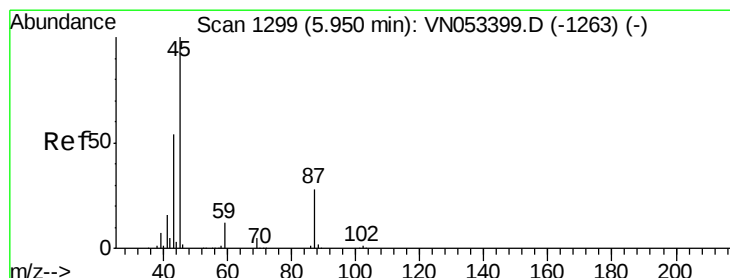
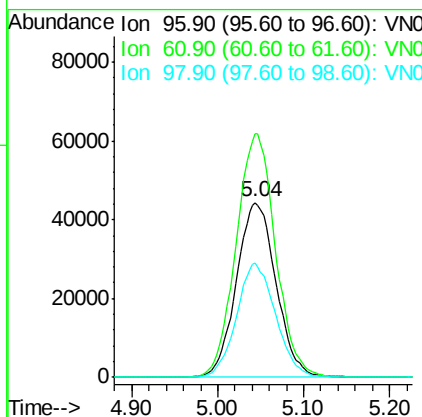
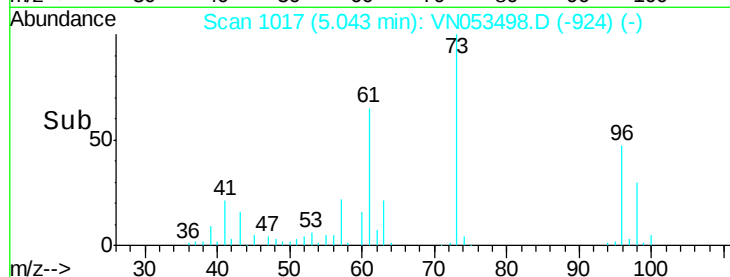
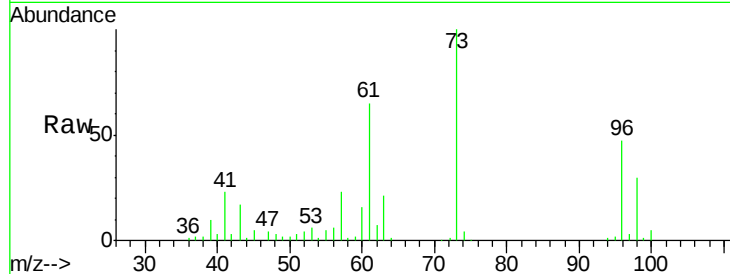
#21
trans-1,2-Dichloroethene
Concen: 20.341 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.3	110.1	165.1
98	65.3	50.0	75.0

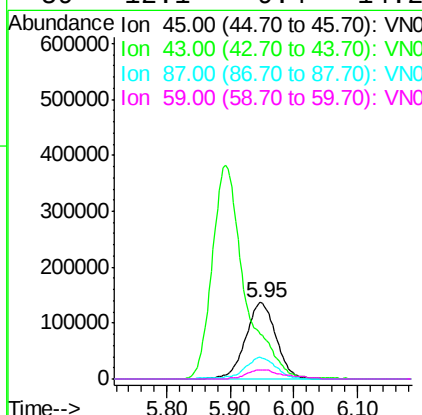
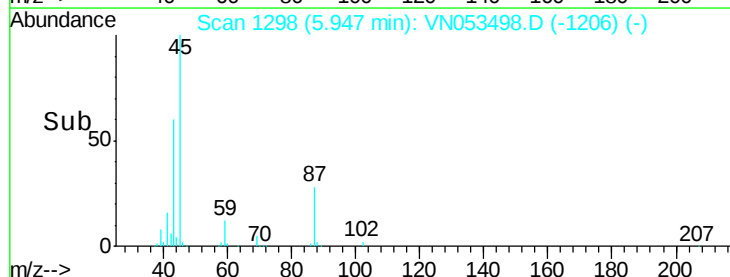
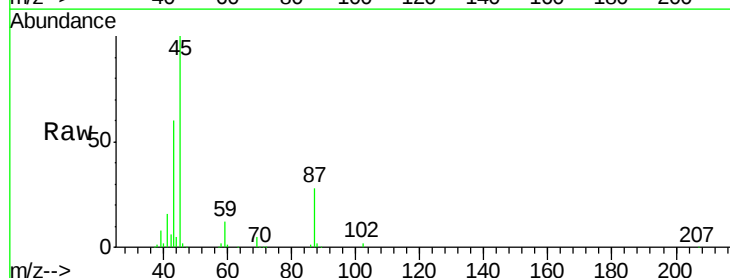
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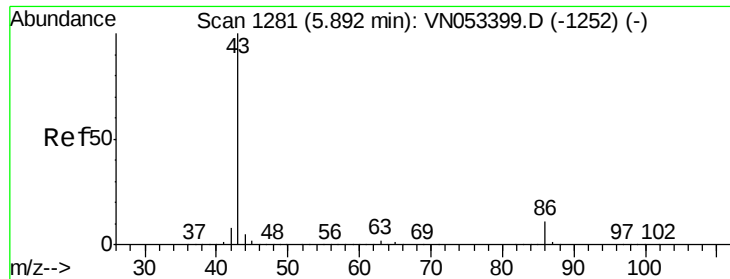
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#22
Diisopropyl ether
Concen: 20.651 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.5	44.2	66.4
87	27.9	22.7	34.1
59	12.1	9.4	14.2





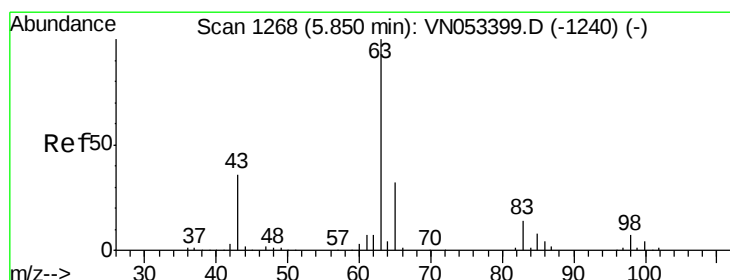
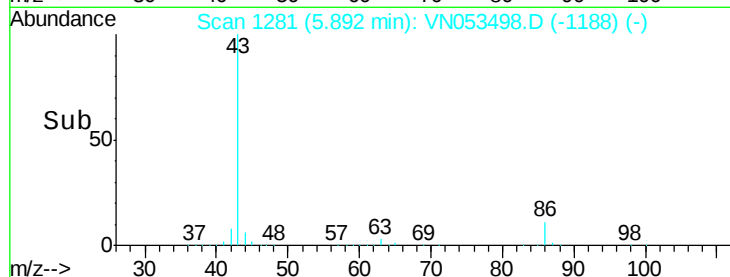
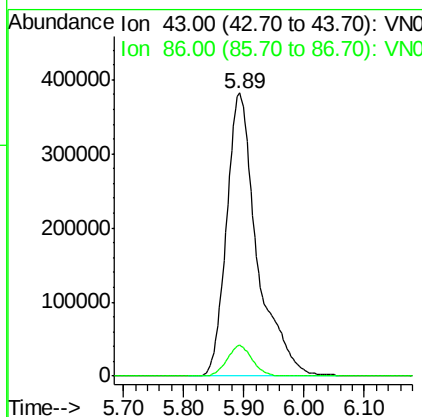
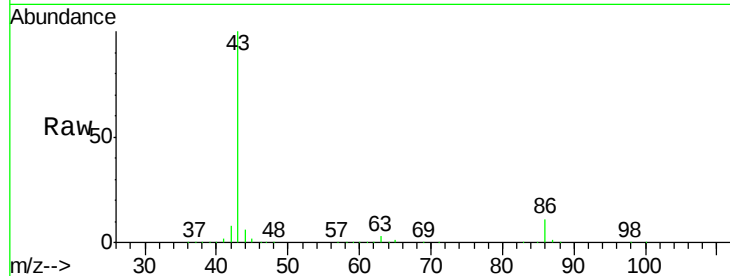
#23
 Vinyl Acetate
 Concen: 99.386 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBS01

Tot Ion: 43 Resp: 1352269
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.4 12.6

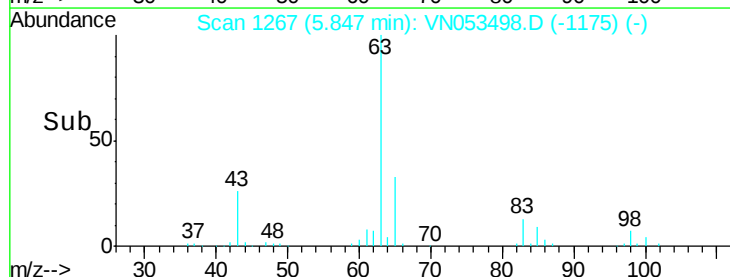
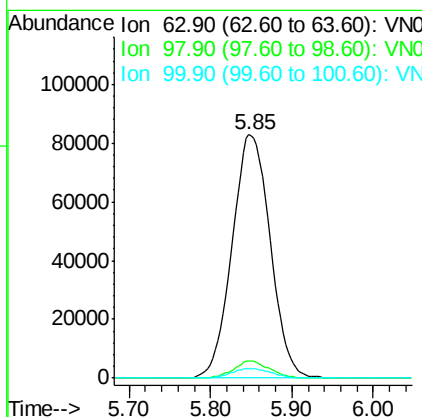
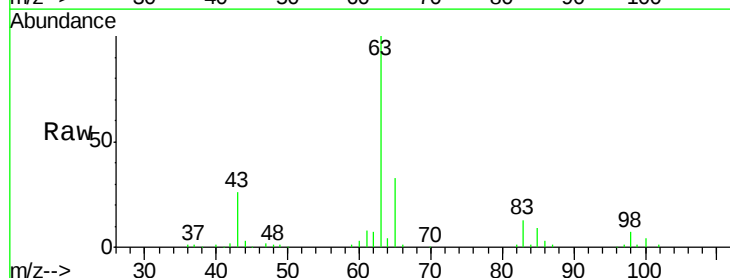
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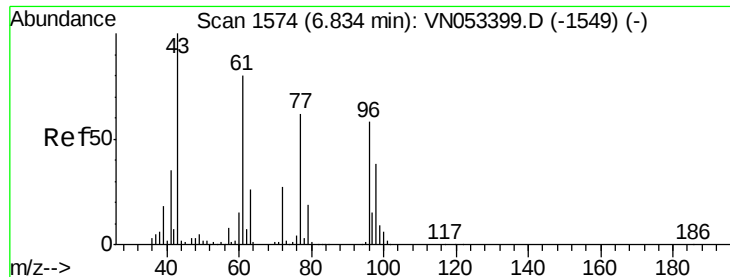
MMDadoda
 1/22/2019 9:47:20 AM



#24
 1,1-Dichloroethane
 Concen: 20.521 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

Tgt Ion: 63 Resp: 268512
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.9
 100 3.8 2.1 6.5





#25

2-Butanone

Concen: 95.745 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS01

Tot Ion: 43 Resp: 250854

Ion Ratio Lower Upper

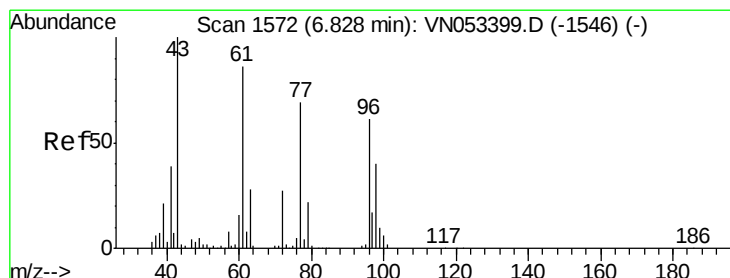
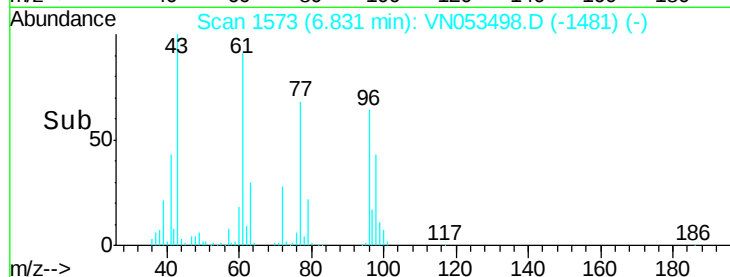
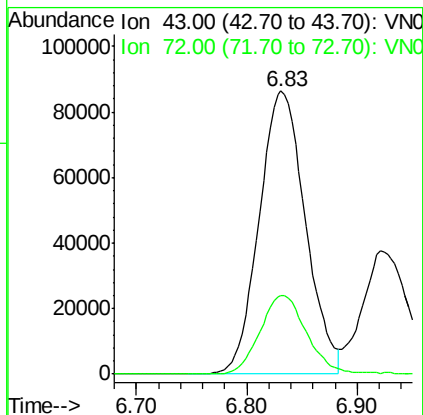
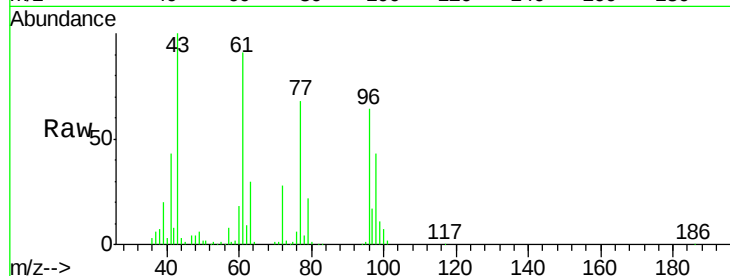
43 100

72 27.9 22.0 33.0

Manual Integrations
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MMDadoda

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#26

2,2-Dichloropropane

Concen: 20.386 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053498.D

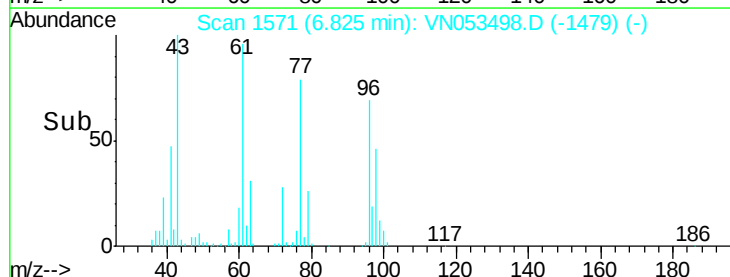
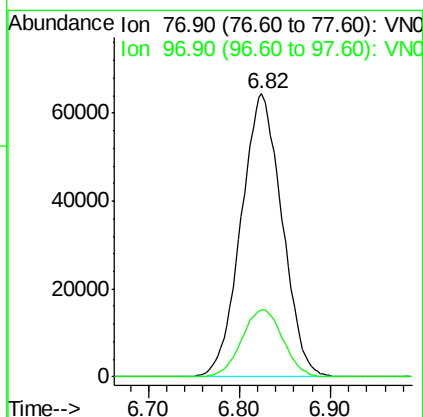
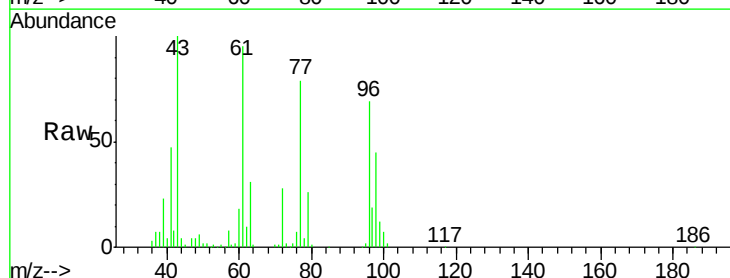
Acq: 21 Jan 2019 11:25

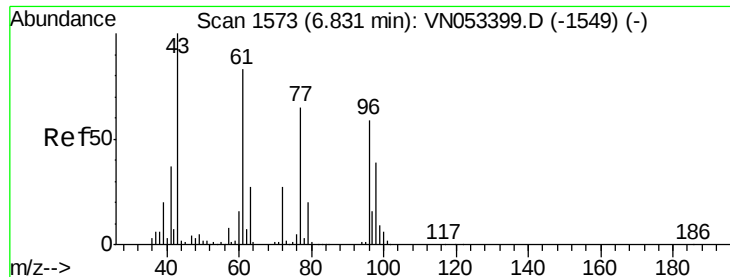
Tgt Ion: 77 Resp: 201404

Ion Ratio Lower Upper

77 100

97 23.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.490 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

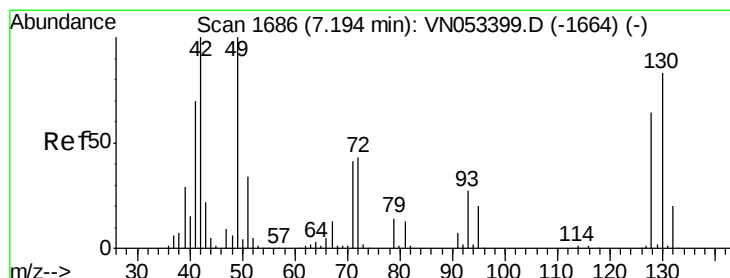
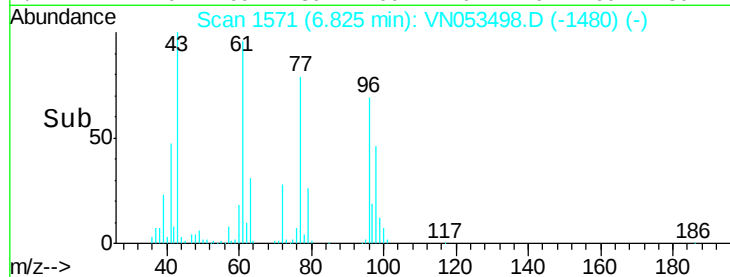
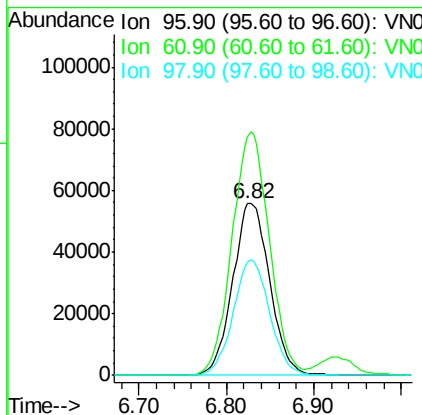
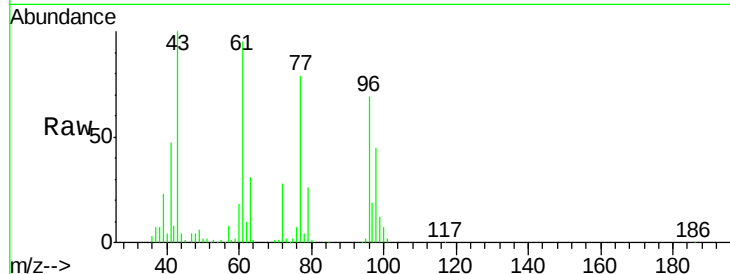
ClientSampleId :

VN0121MBS01

Tot Ion:	96	Resp:	163514
Ion	Ratio	Lower	Upper
96	100		
61	142.8	0.0	283.8
98	66.0	0.0	129.2

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#28

Bromochloromethane

Concen: 20.954 ug/l

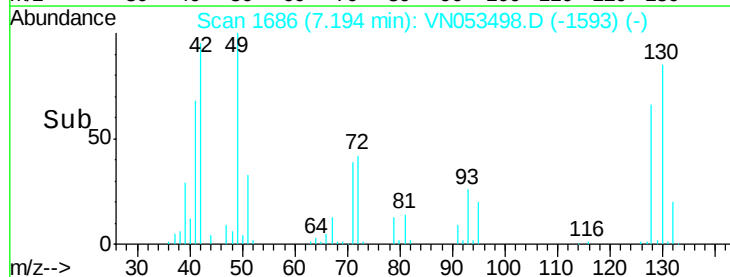
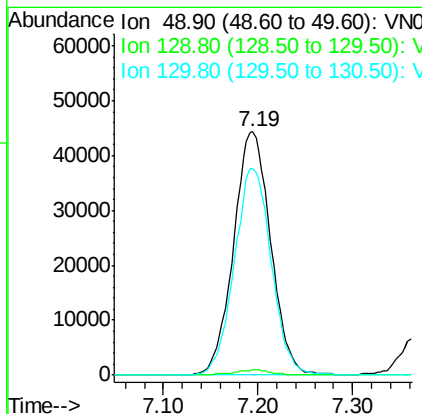
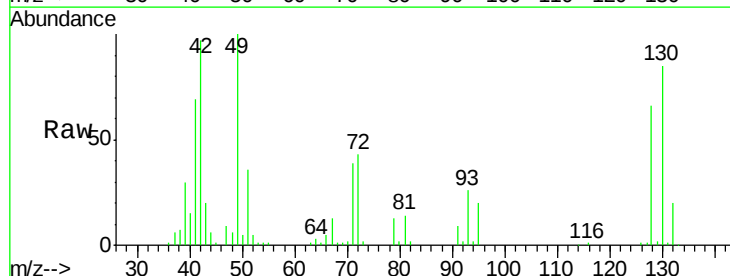
RT: 7.19 min Scan# 1686

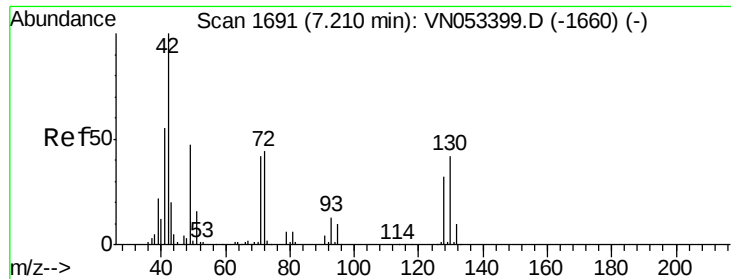
Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Tgt Ion:	49	Resp:	120786
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	84.8	66.3	99.5





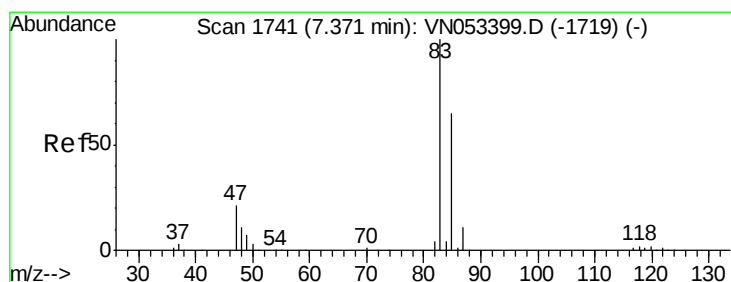
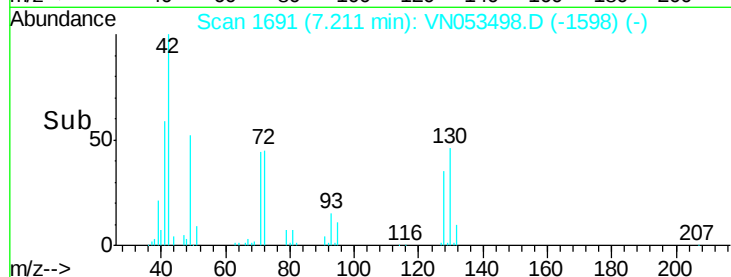
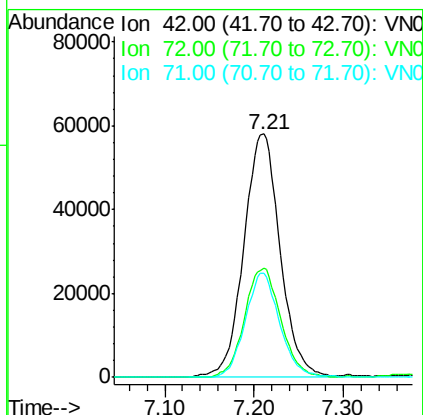
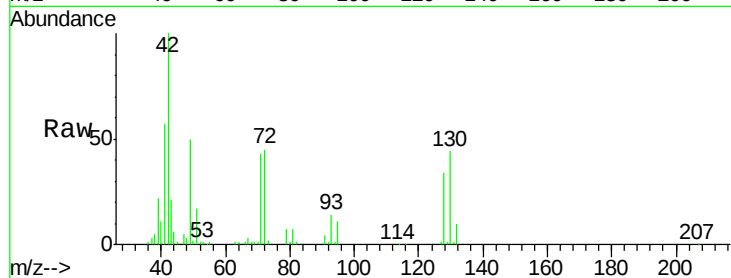
#29
Tetrahydrofuran
Concen: 96.568 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	35.2	52.8
71	40.5	33.0	49.4

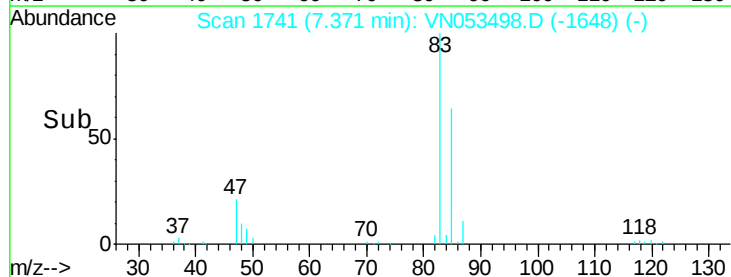
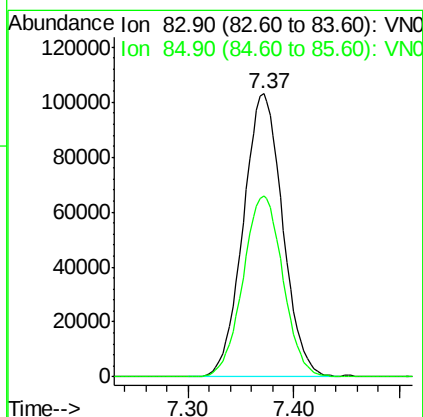
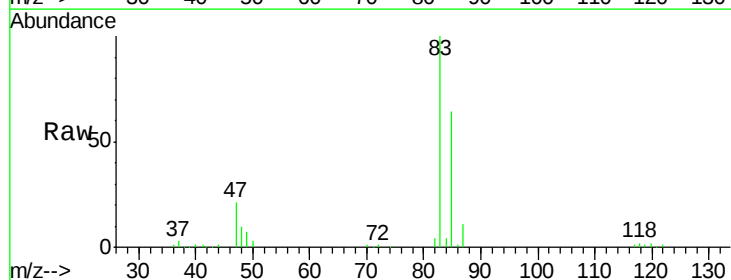
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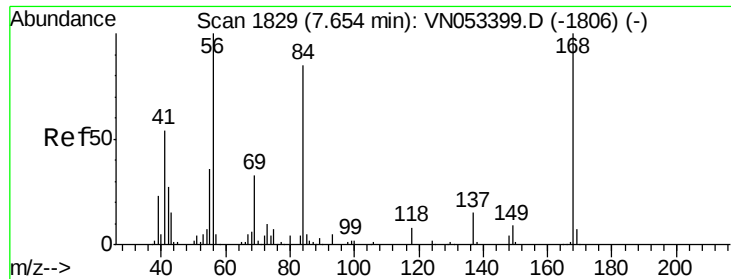
MMDadoda
1/22/2019 9:47:20 AM



#30
Chloroform
Concen: 21.034 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.2	78.2





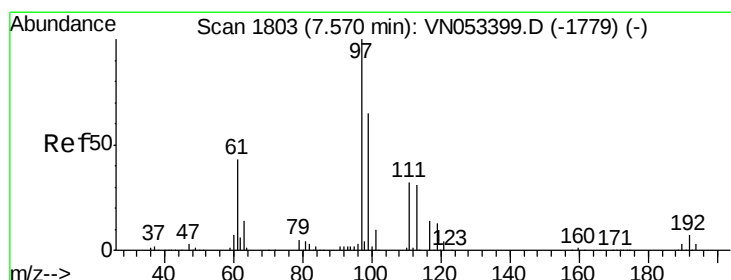
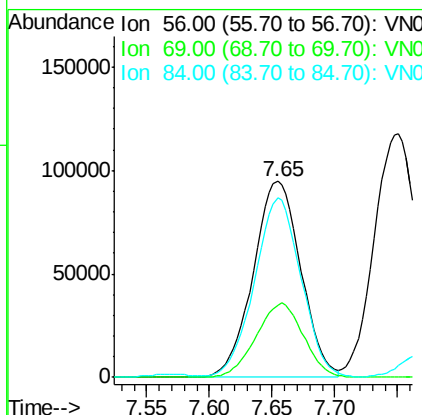
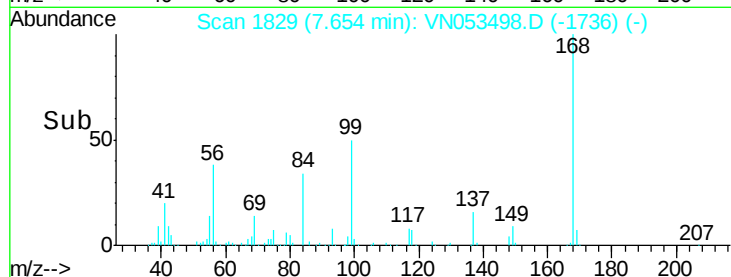
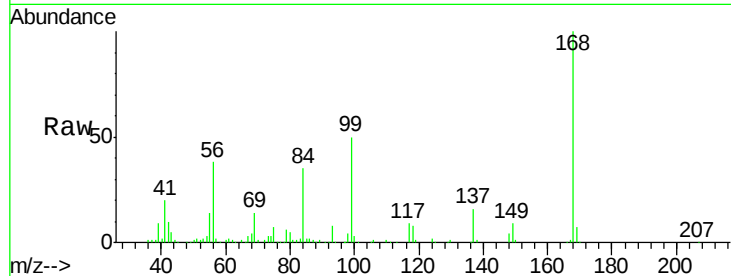
#31
Cyclohexane
Concen: 19.536 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampled :
VN0121MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.0	26.4	39.6
84	90.7	67.9	101.9

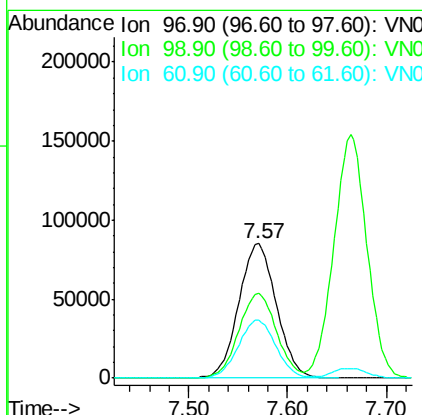
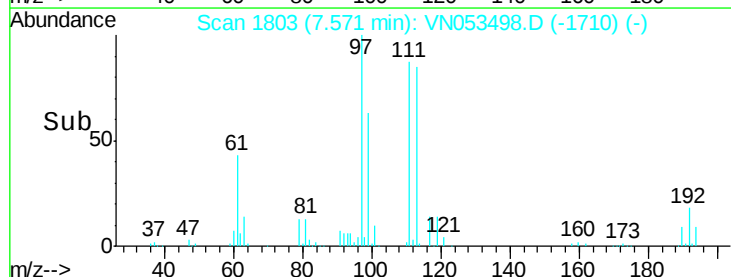
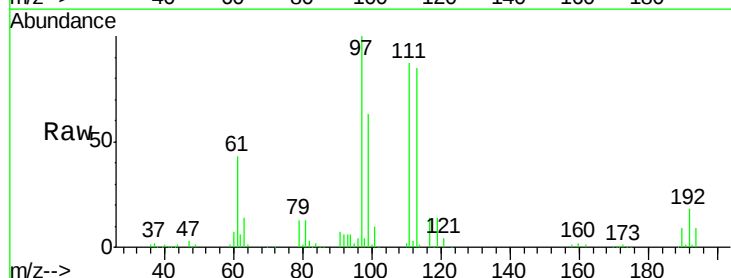
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#32
1,1,1-Trichloroethane
Concen: 20.768 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	52.0	78.0
61	43.2	34.4	51.6





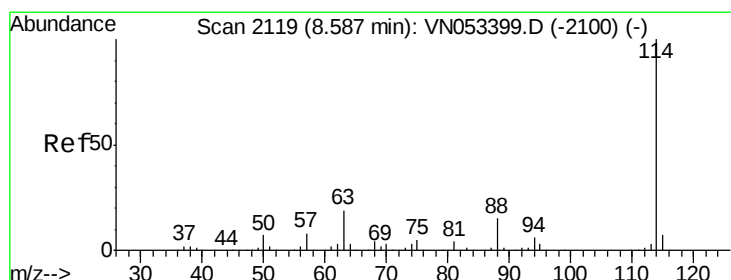
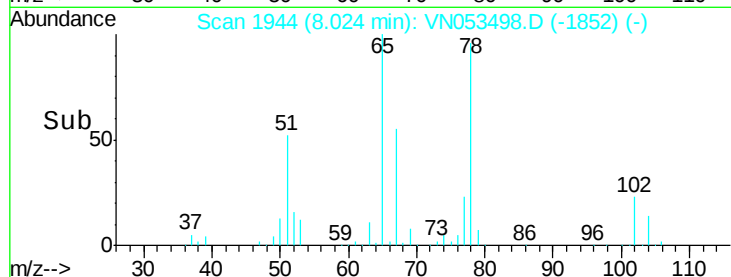
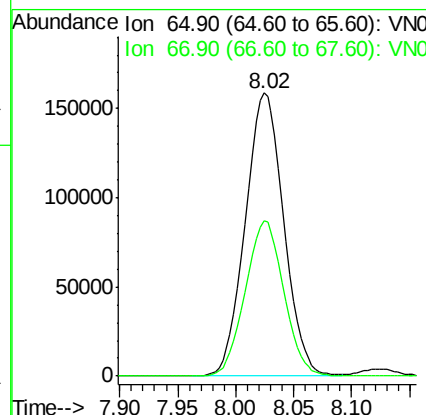
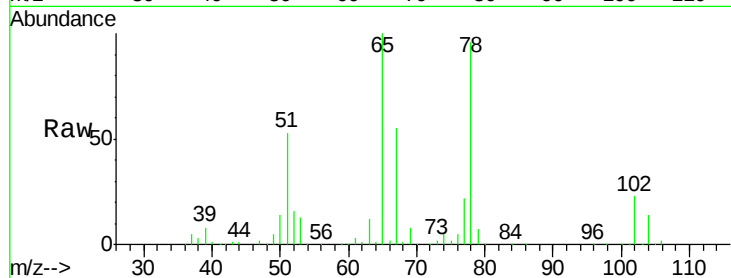
#33
 1,2-Dichloroethane-d4
 Concen: 20.768 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	367220		
67	54.8	0.0	111.2	

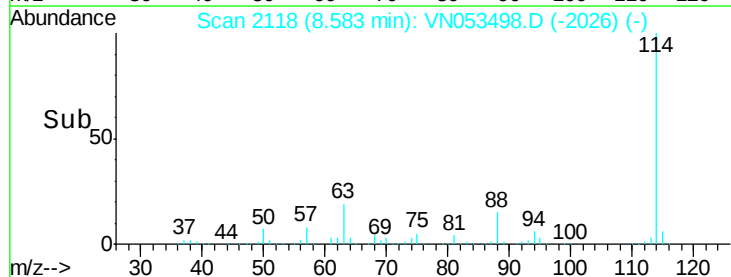
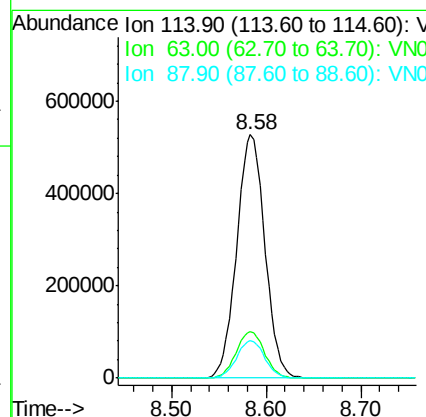
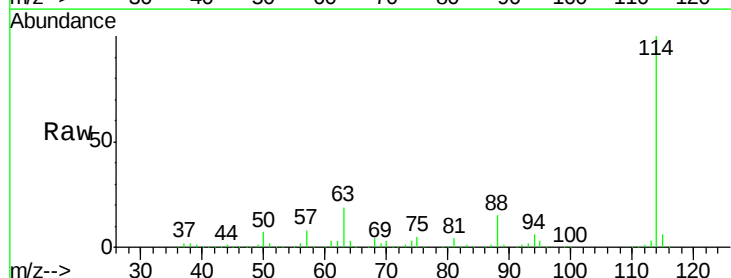
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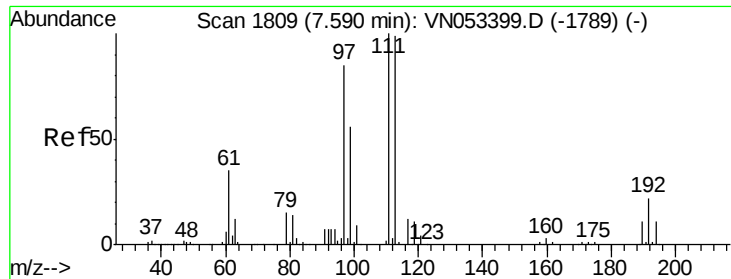
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1089200		
63	19.1	0.0	38.6	
88	15.2	0.0	30.4	





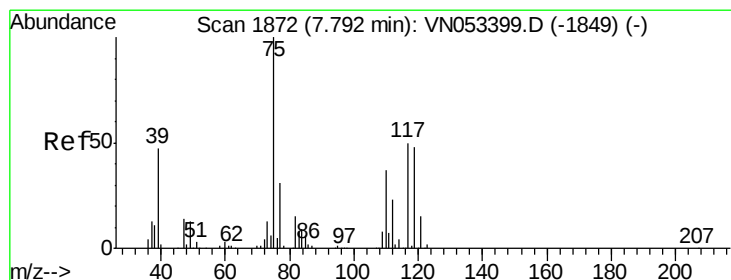
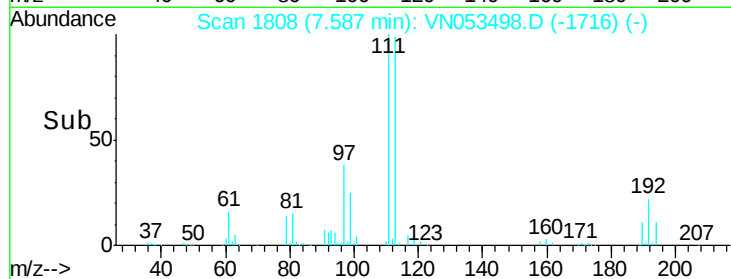
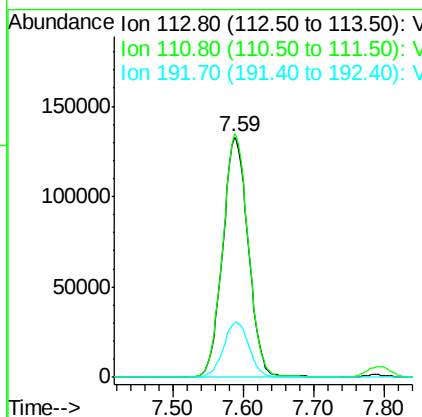
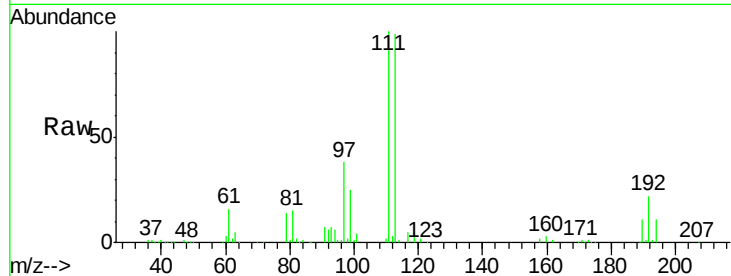
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	336851		
111	100.8	81.1	121.7	
192	22.9	18.2	27.2	

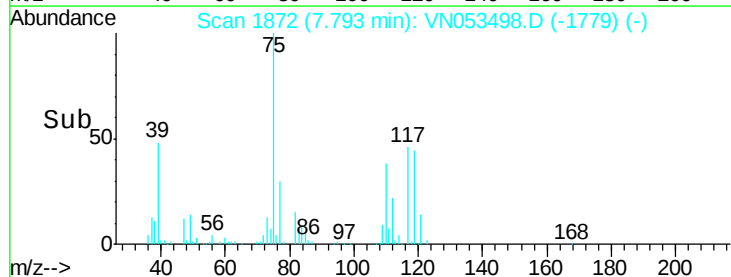
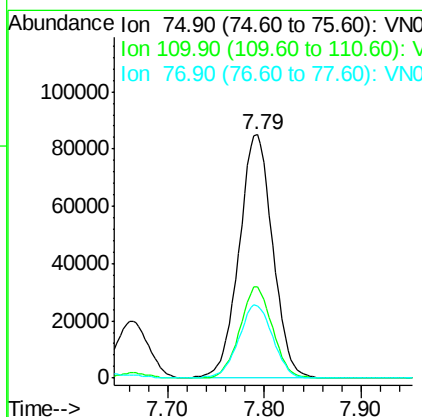
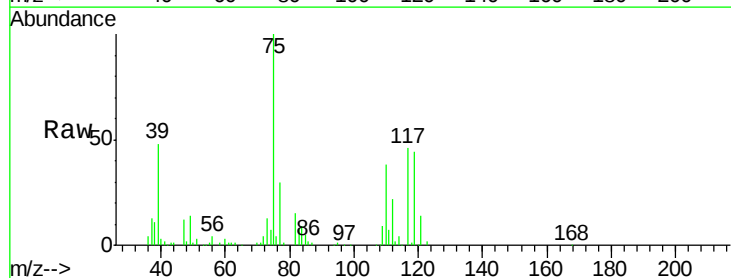
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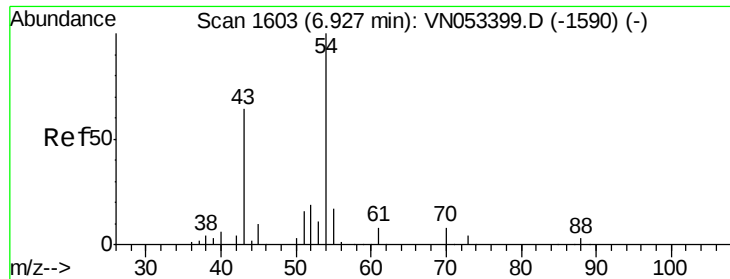
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#36
 1,1-Dichloropropene
 Concen: 20.589 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	204233		
110	36.5	18.1	54.3	
77	30.5	25.1	37.7	





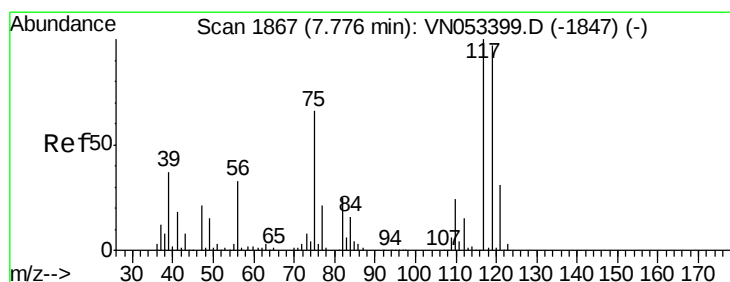
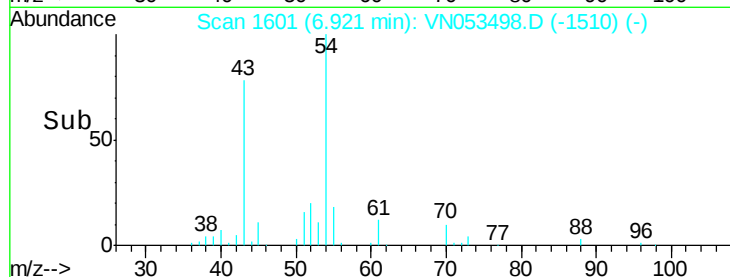
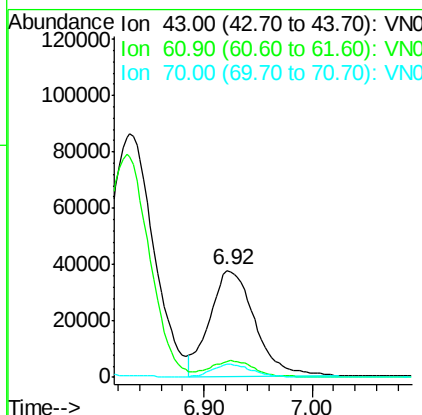
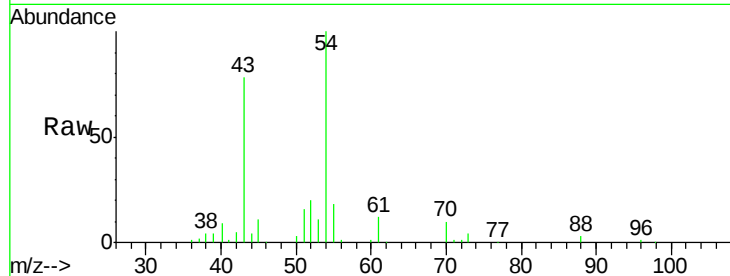
#37
Ethyl Acetate
Concen: 19.003 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.8	17.6
70	11.4	8.6	12.8

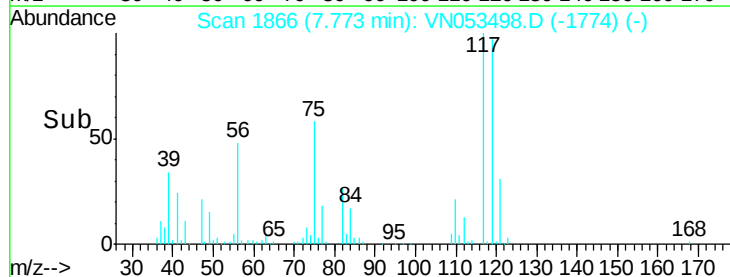
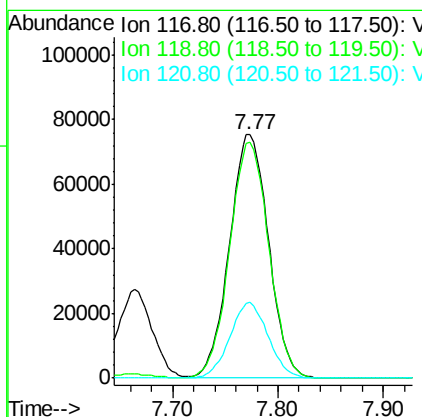
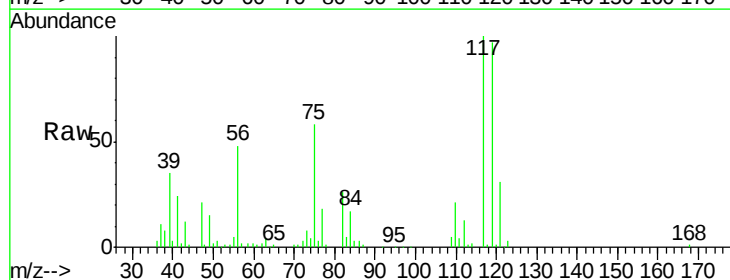
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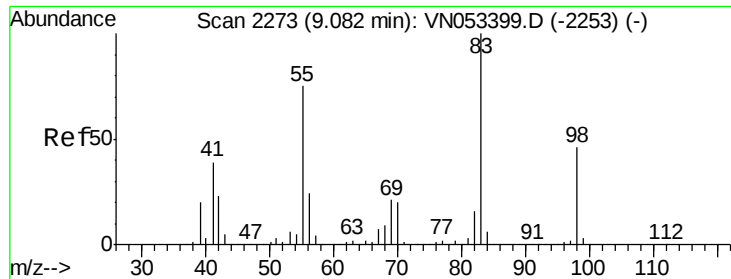
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#38
Carbon Tetrachloride
Concen: 20.662 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.2	115.8
121	31.0	24.6	37.0





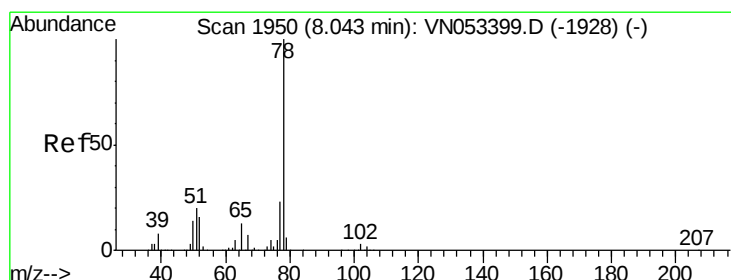
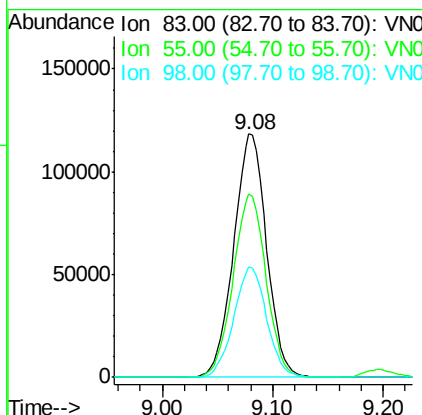
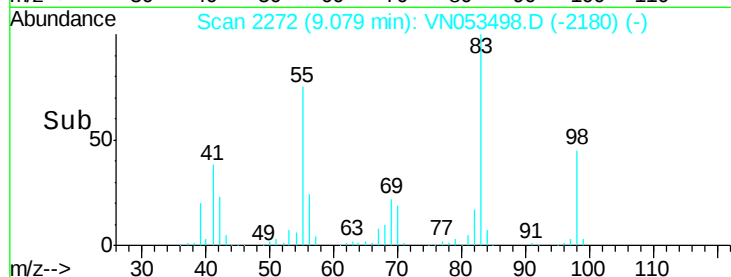
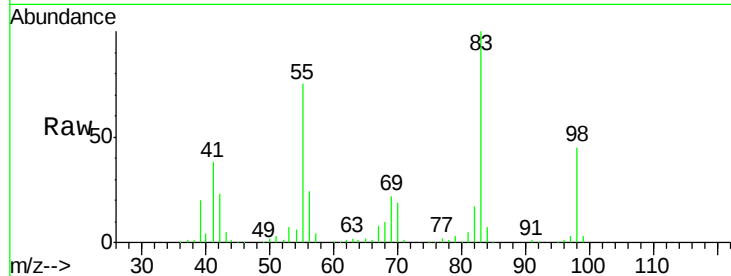
#39
Methvlcvclohexane
Concen: 19.935 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	244406		
55	75.1		60.1	90.1
98	45.3		36.6	55.0

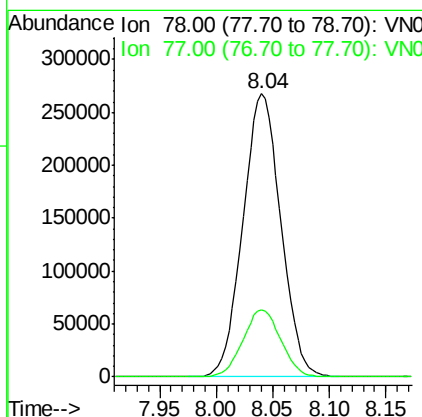
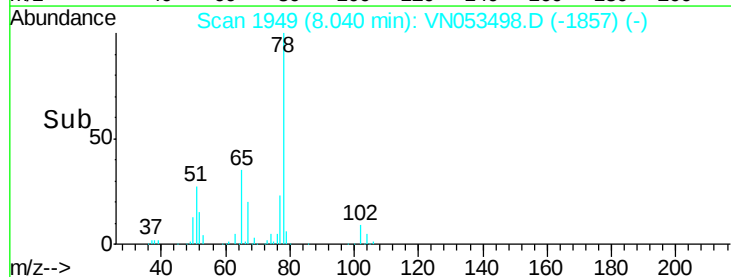
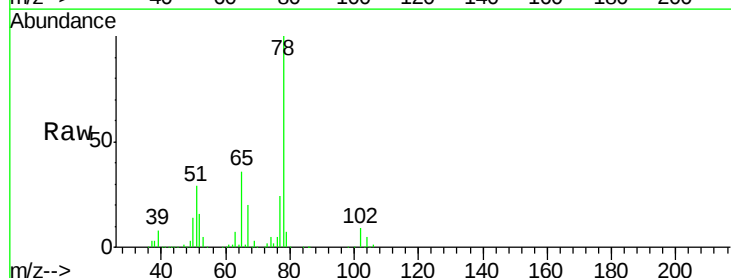
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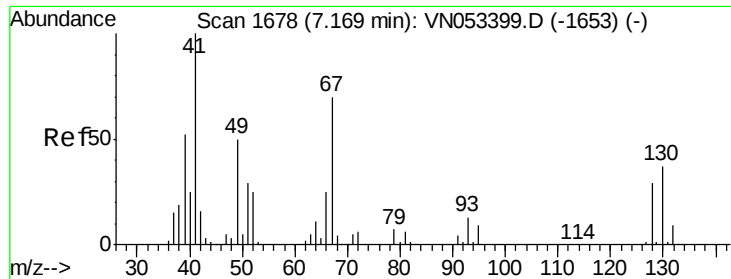
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#40
Benzene
Concen: 20.719 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	624554		
77	23.7		18.8	28.2





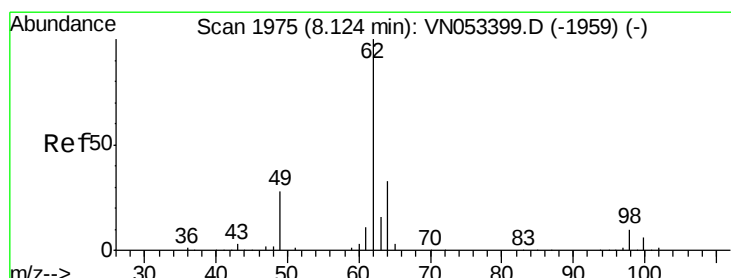
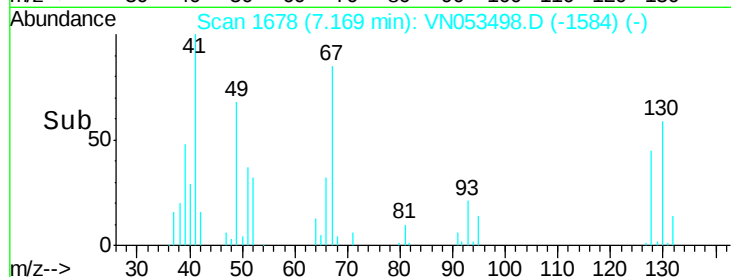
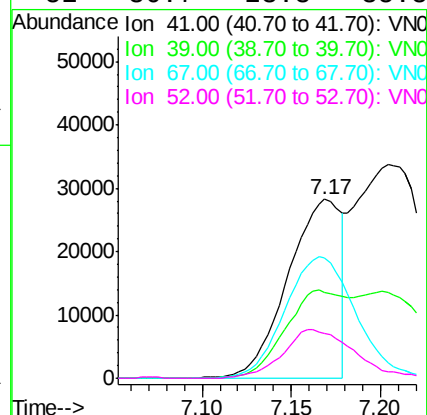
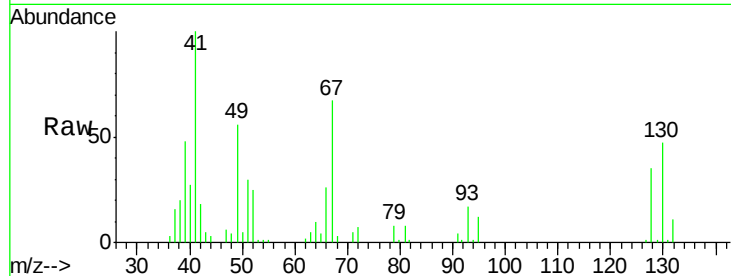
#41
Methacrylonitrile
Concen: 17.696 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.4	46.8	70.2	
67	91.0	63.0	94.6	
52	36.7	23.8	35.8	#

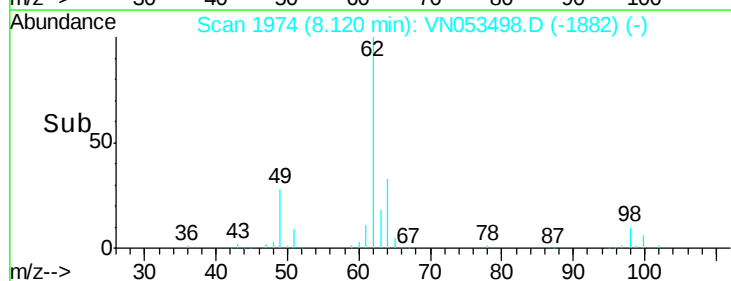
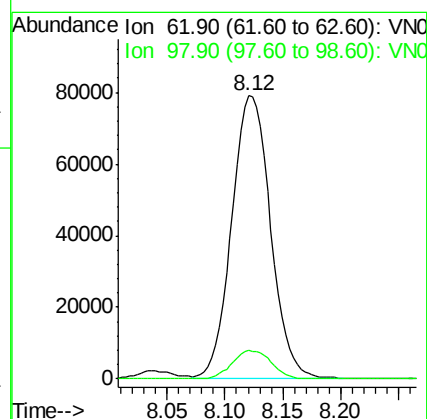
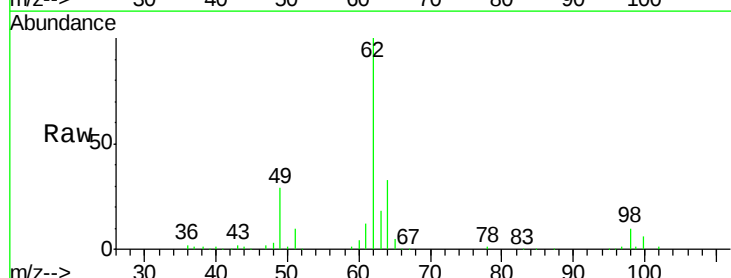
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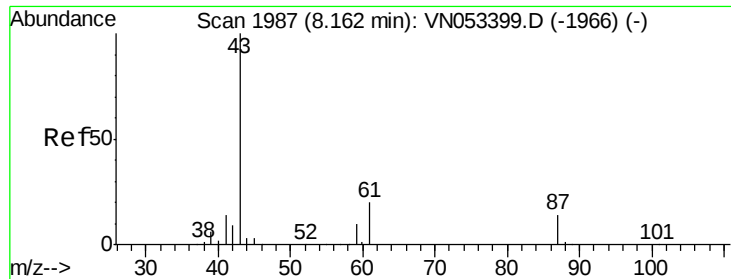
MMDadoda
1/22/2019 9:47:20 AM



#42
1,2-Dichloroethane
Concen: 20.856 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	19.6	





#43

Isopropyl Acetate

Concen: 20.083 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

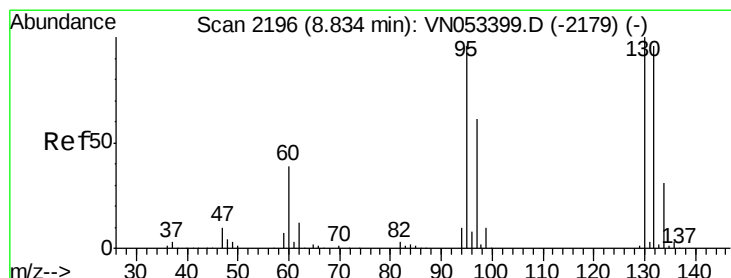
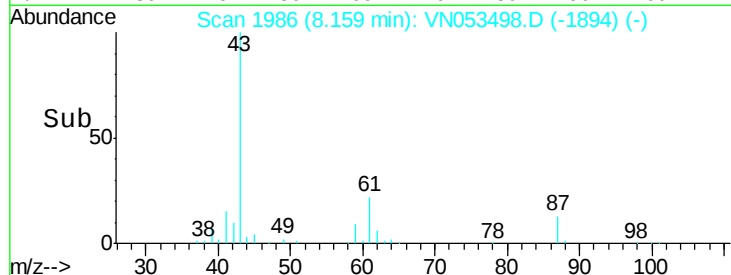
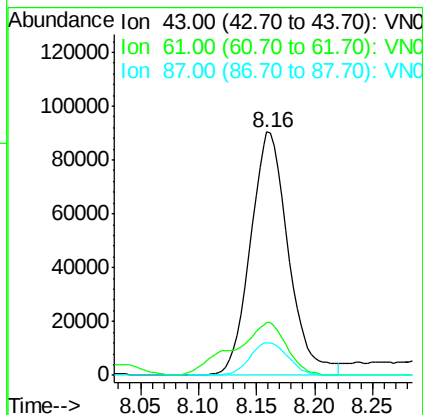
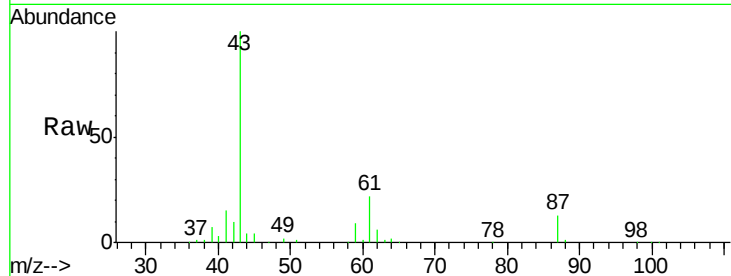
ClientSampleId :

VN0121MBS01

Tot Ion:	43	Resp:	206084
Ion	Ratio	Lower	Upper
43	100		
61	29.7	23.9	35.9
87	13.4	11.0	16.6

Manual Integrations
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#44

Trichloroethene

Concen: 20.988 ug/l

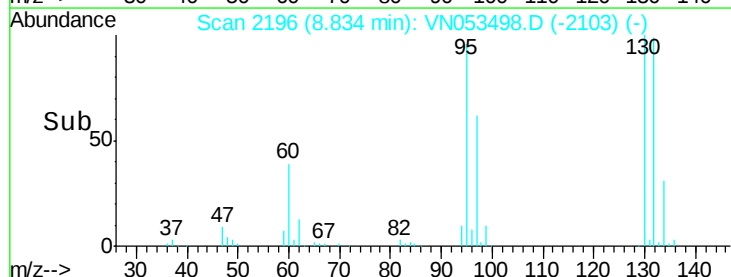
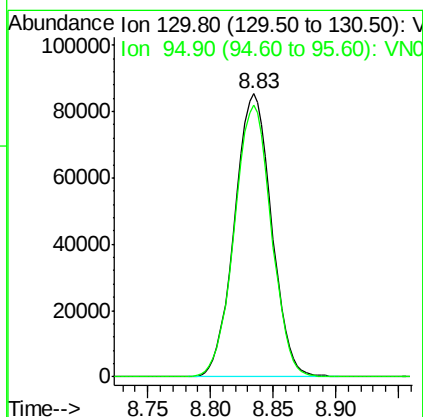
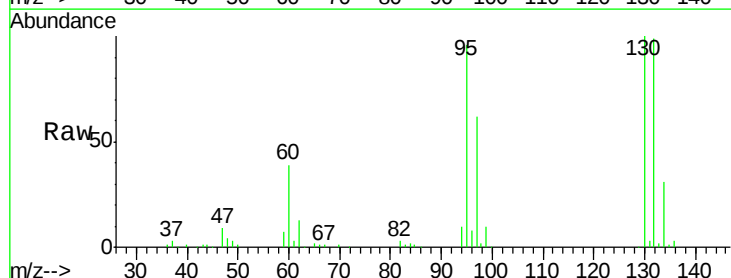
RT: 8.83 min Scan# 2196

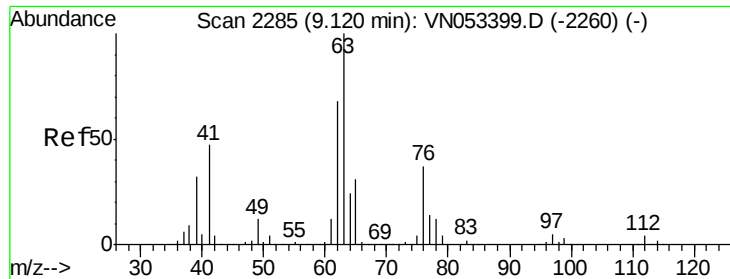
Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Tgt Ion:	130	Resp:	175446
Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	191.4





#45

1,2-Dichloropropane

Concen: 20.822 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS01

Tot Ion: 63 Resp: 166243

Ion Ratio Lower Upper

63 100

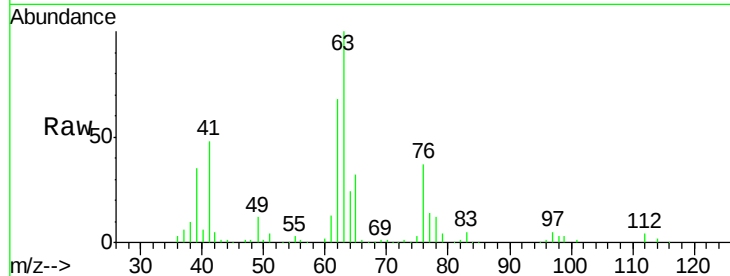
65 31.9 25.0 37.4

Manual Integrations

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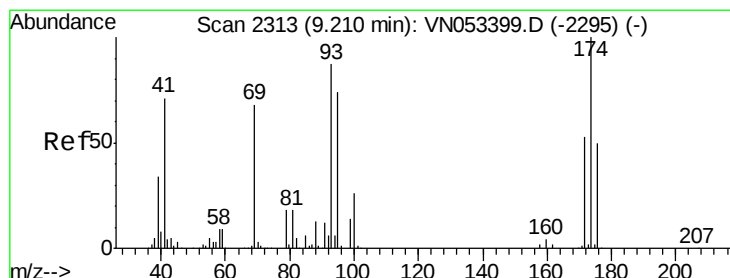
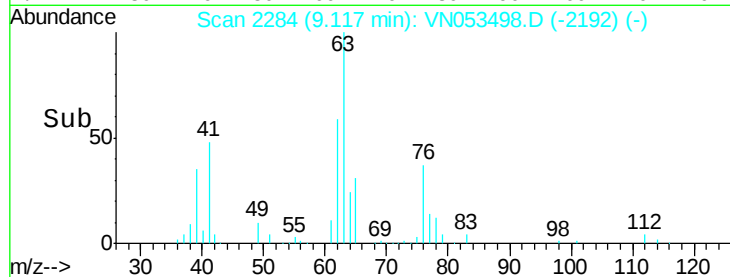
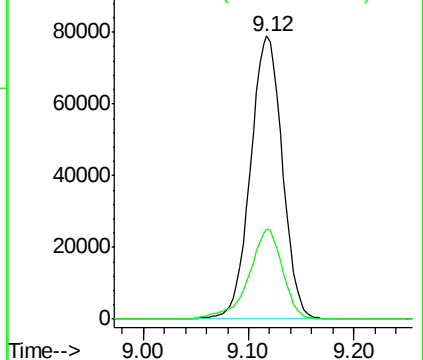
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 19.909 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

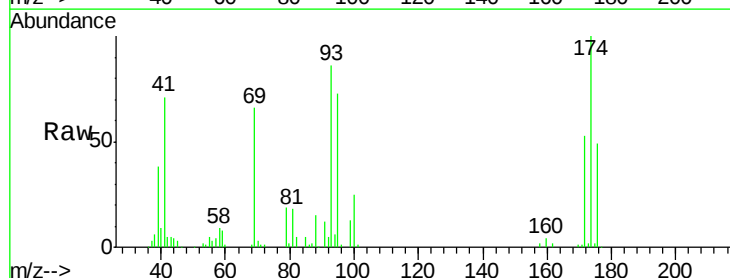
Tgt Ion: 93 Resp: 91324

Ion Ratio Lower Upper

93 100

95 86.0 67.3 100.9

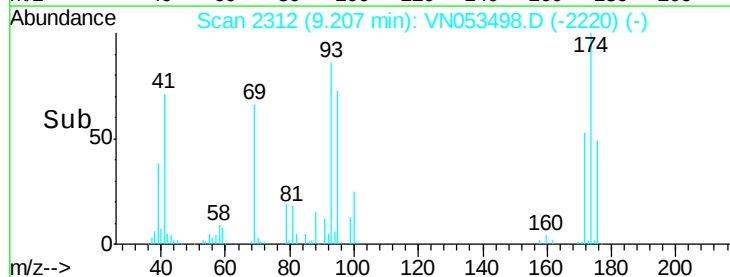
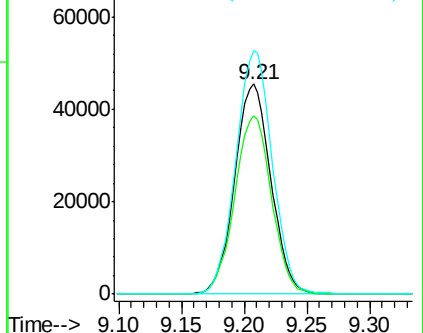
174 116.9 91.0 136.4

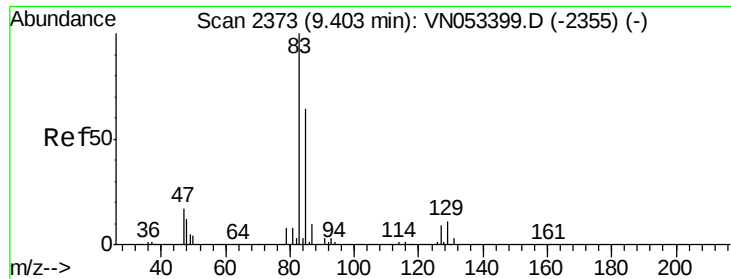


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





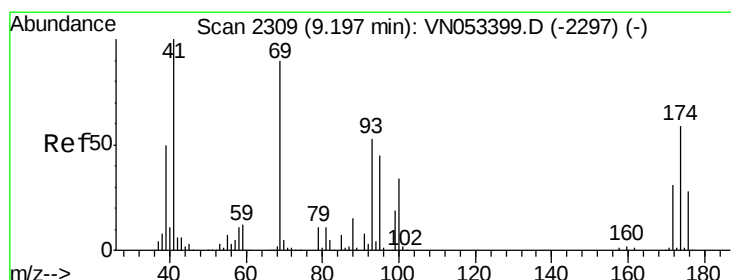
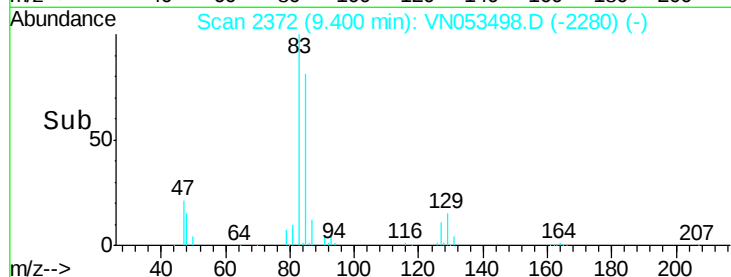
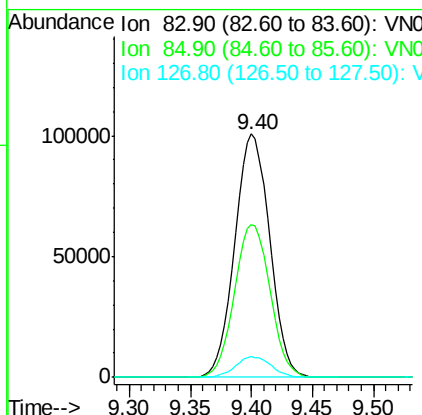
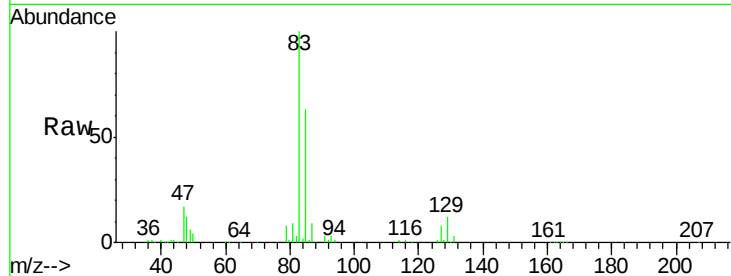
#47
Bromodichloromethane
Concen: 20.715 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	199836		
85	62.9		51.0	76.6
127	8.4		7.0	10.6

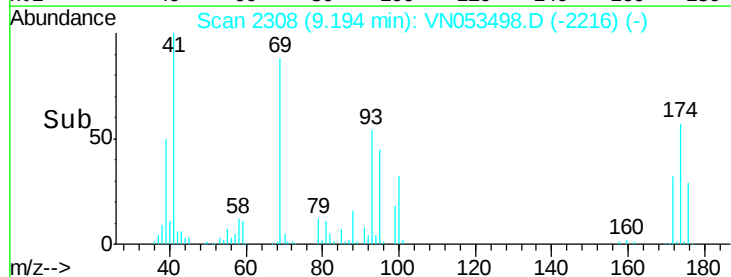
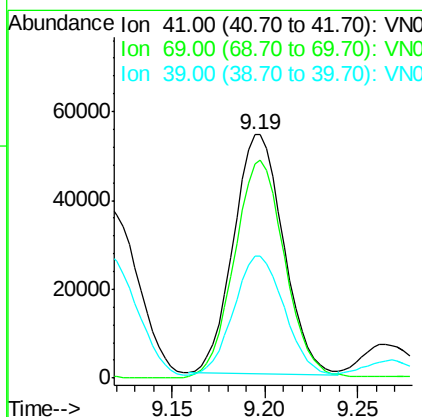
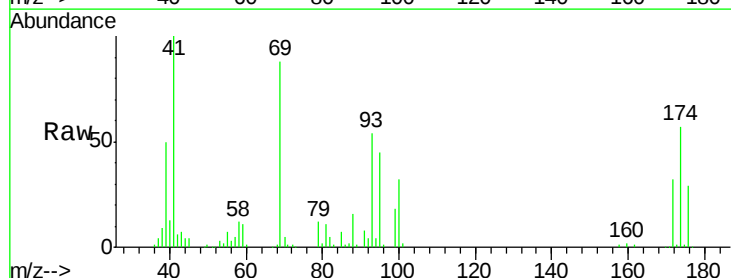
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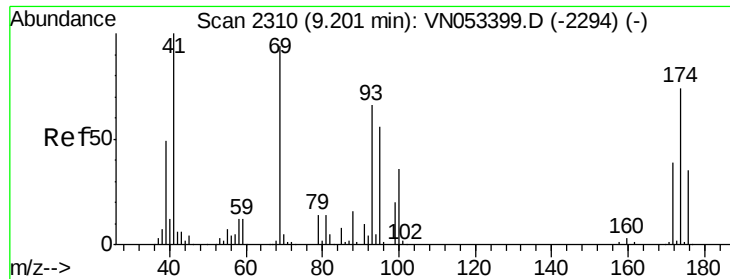
MMDadoda
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#48
Methyl methacrylate
Concen: 19.096 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	101181		
69	92.8		73.8	110.6
39	53.4		40.0	60.0





#49

1,4-Dioxane

Concen: 377.617 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

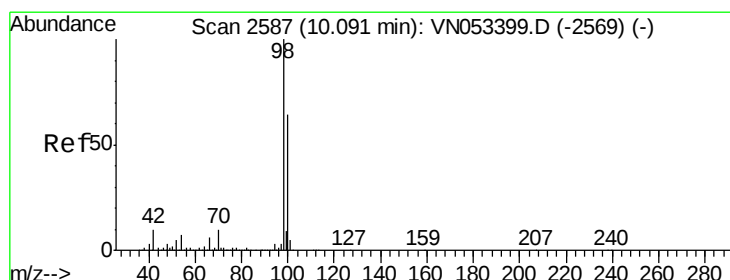
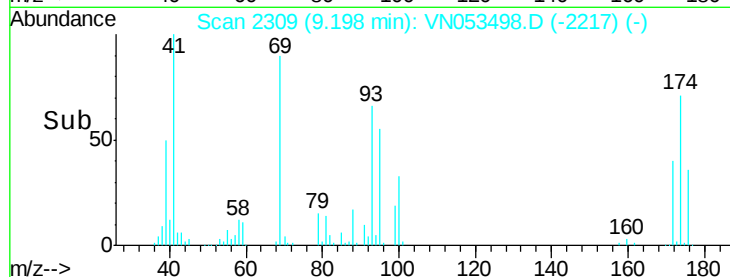
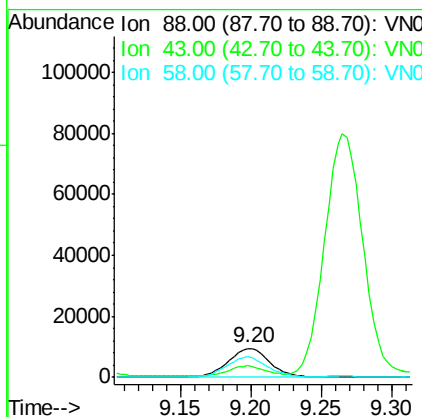
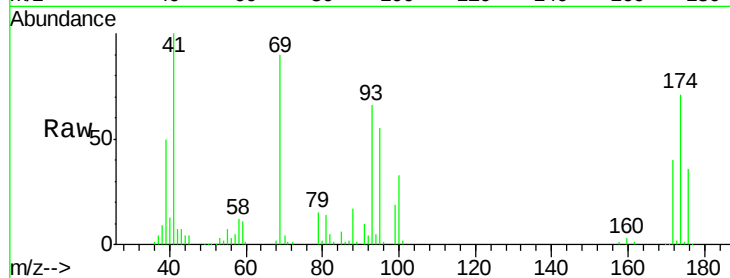
ClientSampleId :

VN0121MBS01

Tot Ion:	88	Resp:	19540
Ion	Ratio	Lower	Upper
88	100		
43	33.4	27.8	41.6
58	70.8	56.5	84.7

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#50

Toluene-d8

Concen: 377.617 ug/l

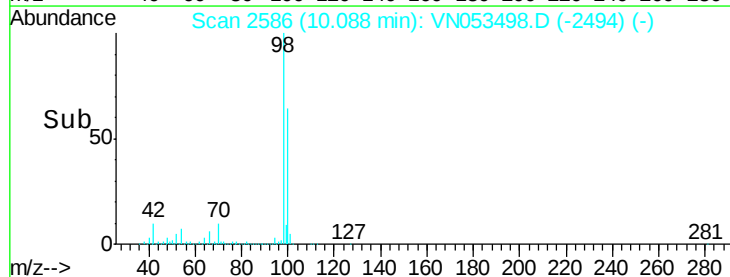
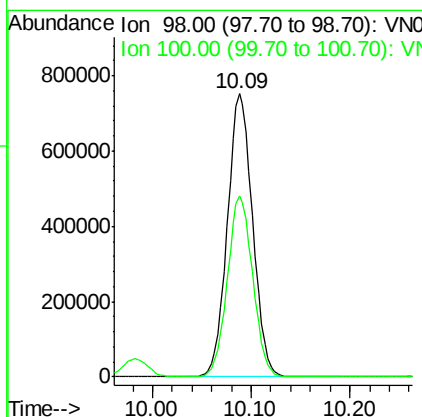
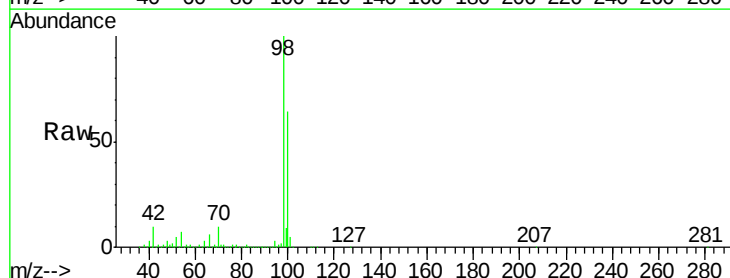
RT: 10.09 min Scan# 2586

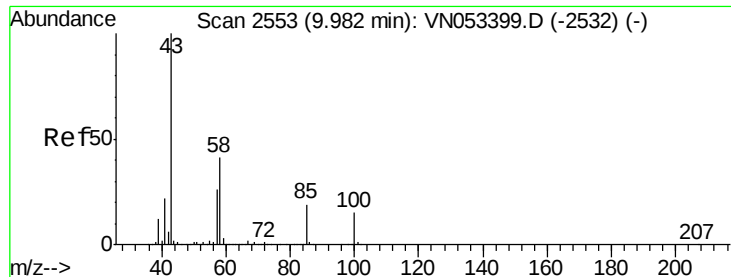
Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Tgt Ion:	98	Resp:	1345467
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.4	77.0





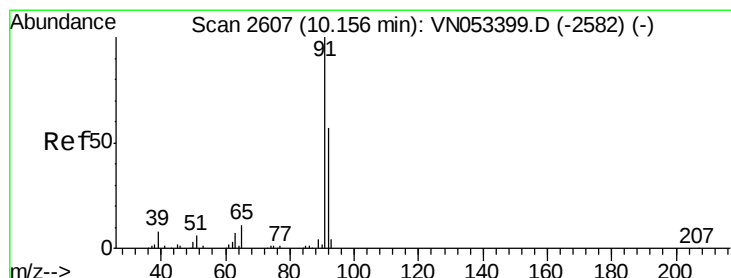
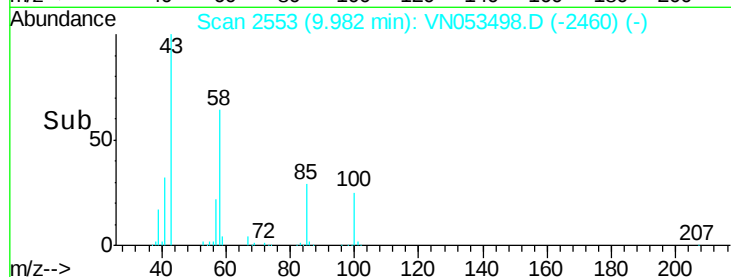
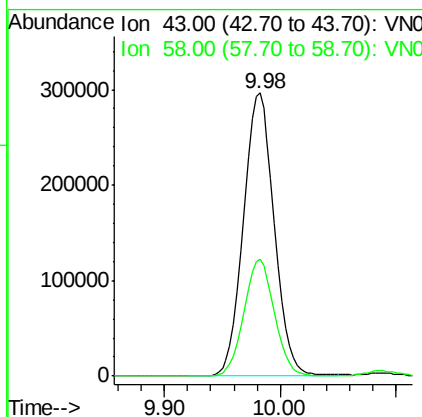
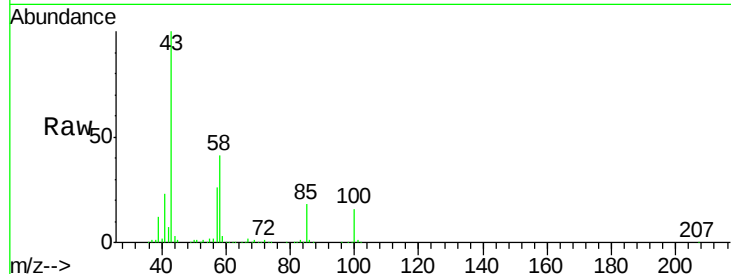
#51
4-Methyl-2-Pentanone
Concen: 97.601 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion	43	Resp	546745
Ion Ratio	100	Lower	Upper
43	100		
58	40.9	32.8	49.2

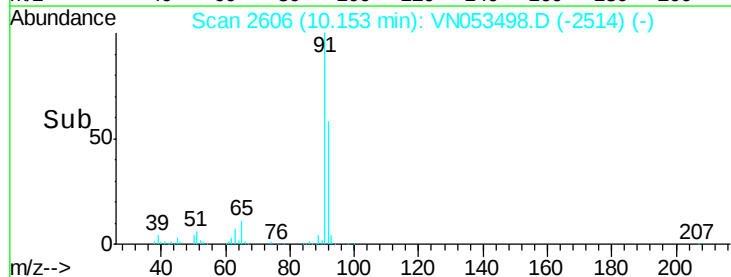
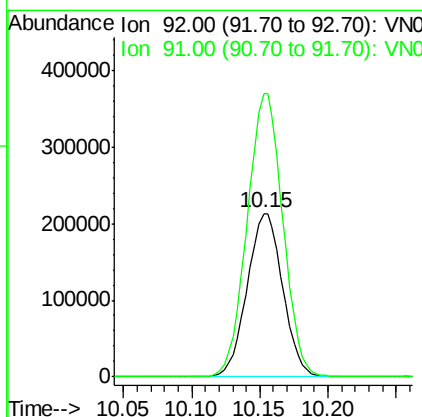
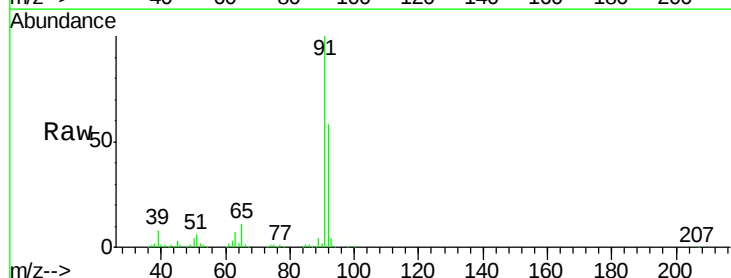
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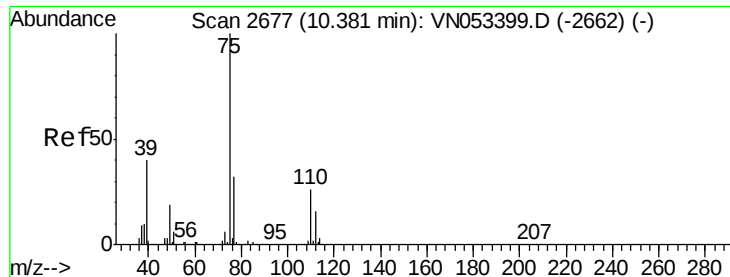
MMDadoda
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#52
Toluene
Concen: 20.602 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion	92	Resp	385534
Ion Ratio	100	Lower	Upper
92	100		
91	174.2	139.9	209.9





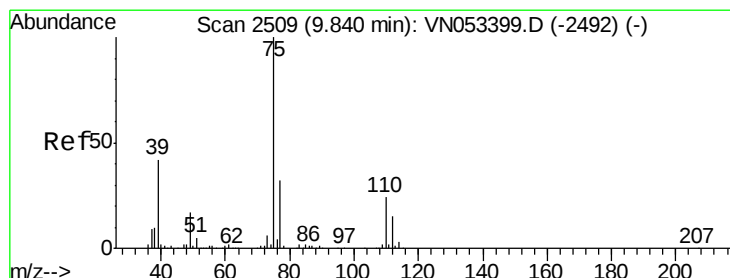
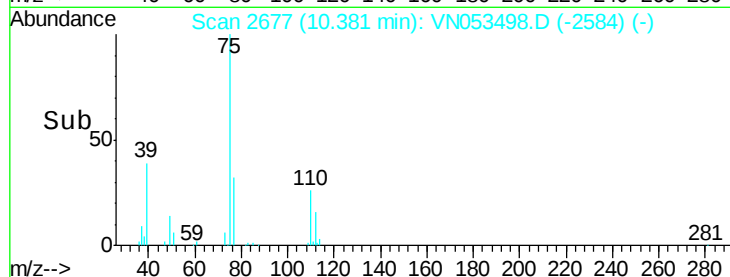
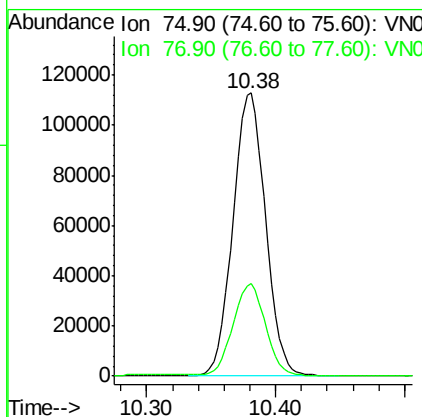
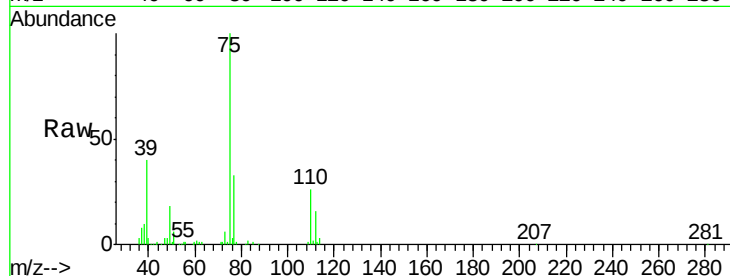
#53
t-1,3-Dichloropropene
Concen: 20.266 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.5	38.3

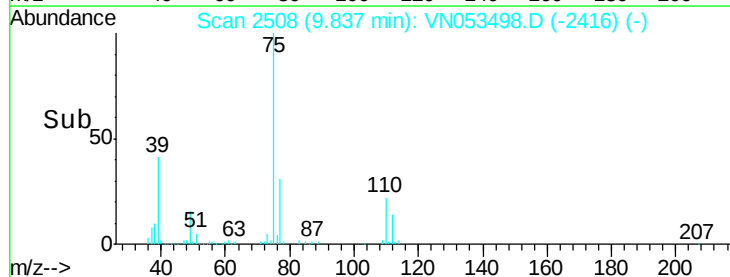
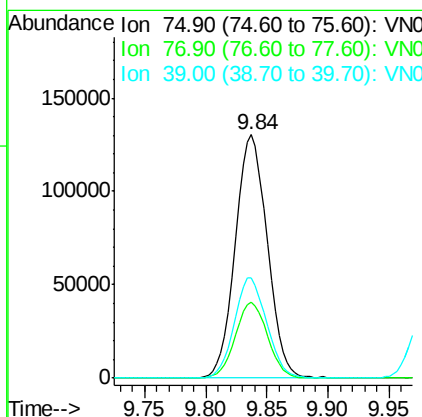
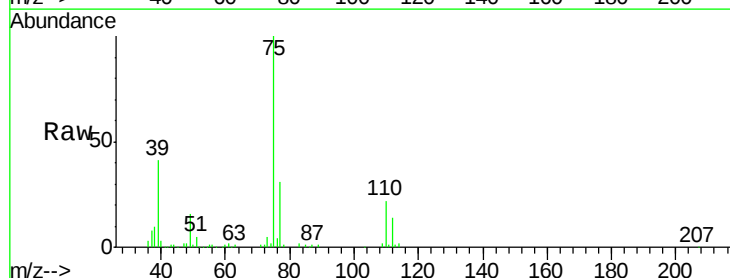
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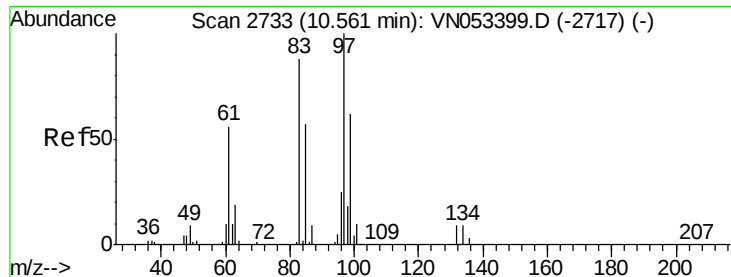
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#54
cis-1,3-Dichloropropene
Concen: 20.667 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.8	38.6
39	41.1	33.4	50.0





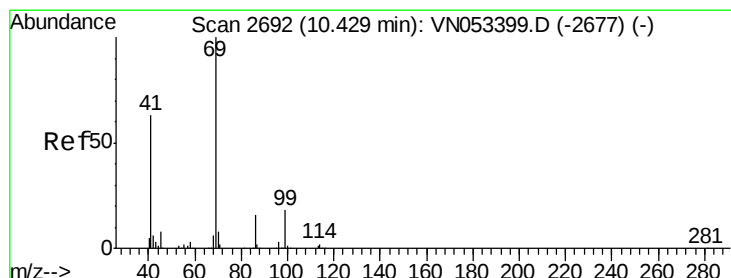
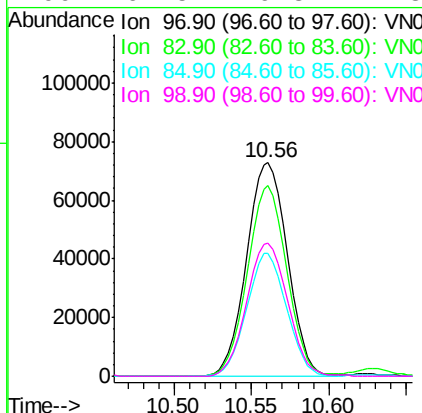
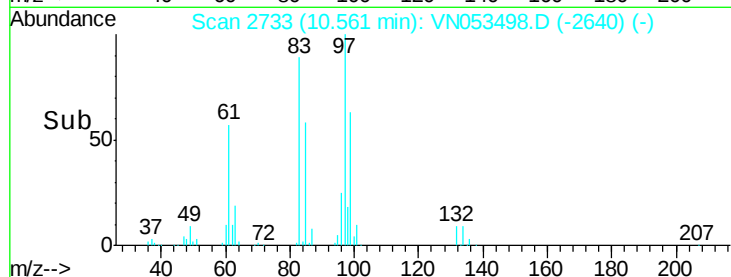
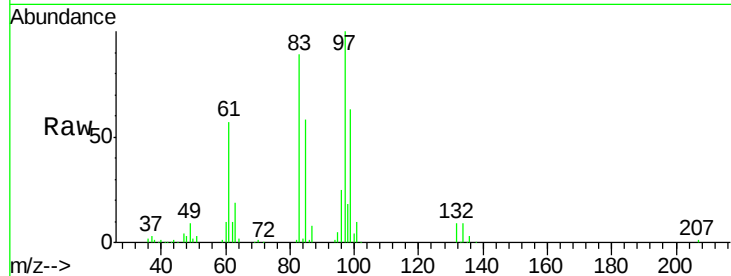
#55
 1,1,2-Trichloroethane
 Concen: 20.801 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

Instrument :
 MSVOA_N
 ClientSampled :
 VN0121MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		134207		
83	89.5	70.1	105.1		
85	57.7	45.4	68.0		
99	62.5	49.8	74.8		

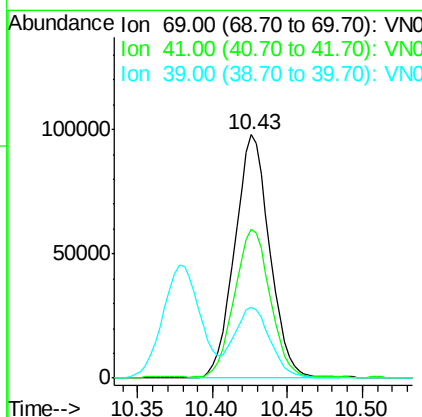
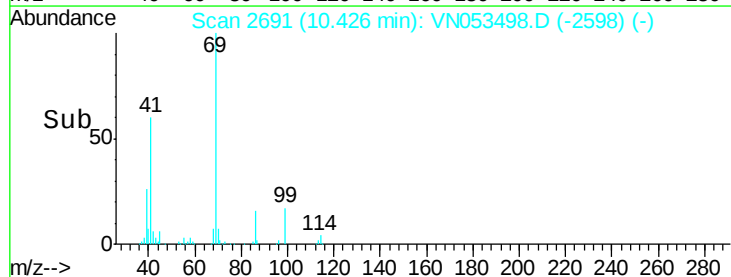
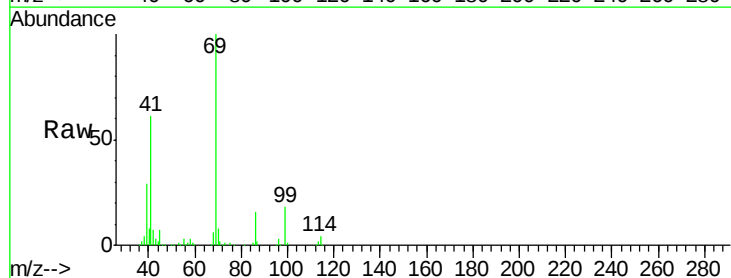
Manual Integrations
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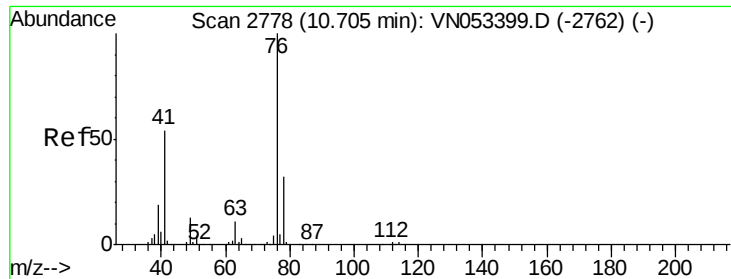
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 1/22/2019 9:47:20 AM



#56
 Ethyl methacrylate
 Concen: 18.774 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		159629		
41	62.3	49.4	74.0		
39	29.9	23.3	34.9		





#57

1,3-Dichloropropane

Concen: 20.702 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

VN0121MBS01

Tot Ion: 76 Resp: 231048

Ion Ratio Lower Upper

76 100

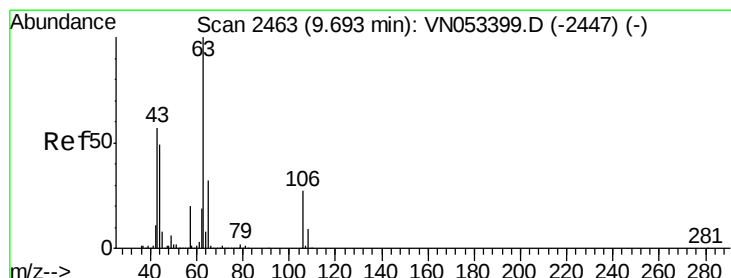
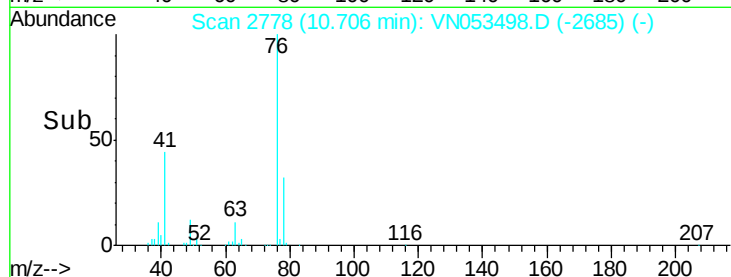
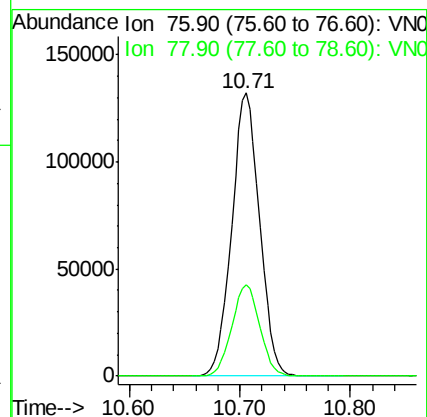
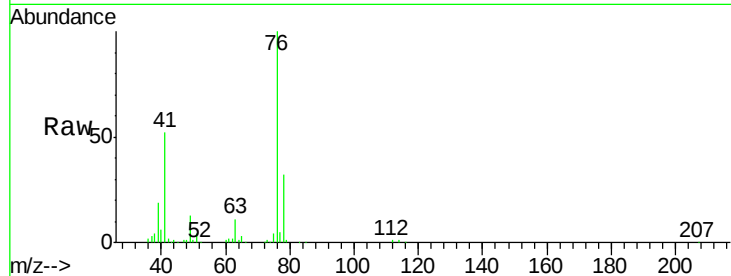
78 32.4 25.6 38.4

Manual Integrations

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1/22/2019 9:47:20 AM



#58

2-Chloroethyl Vinyl ether

Concen: 96.350 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053498.D

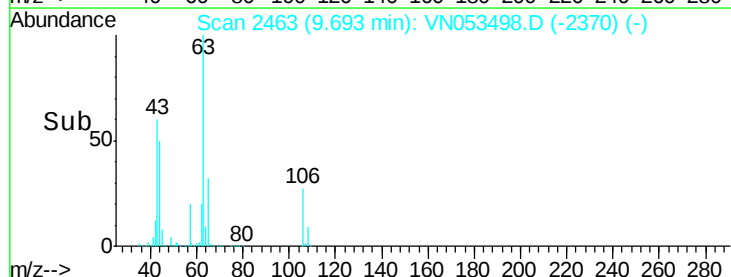
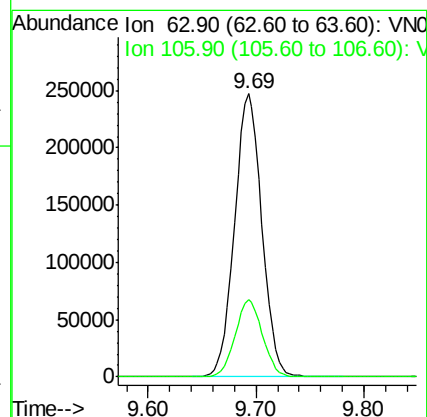
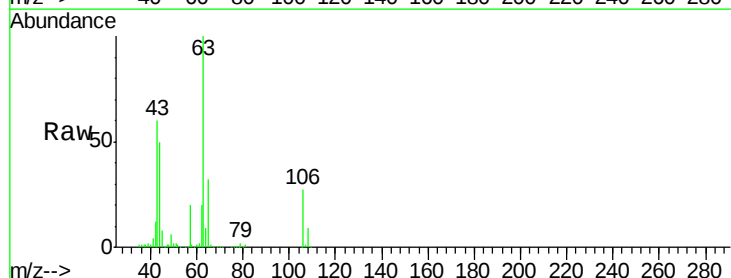
Acq: 21 Jan 2019 11:25

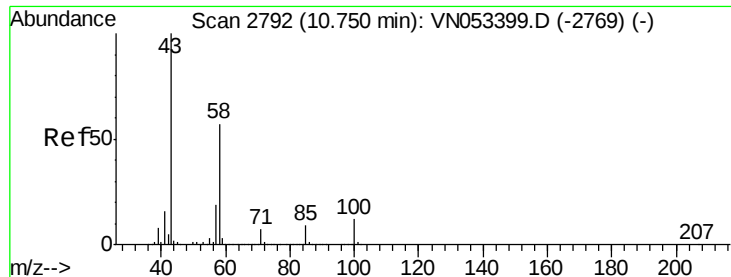
Tgt Ion: 63 Resp: 434886

Ion Ratio Lower Upper

63 100

106 27.3 21.5 32.3





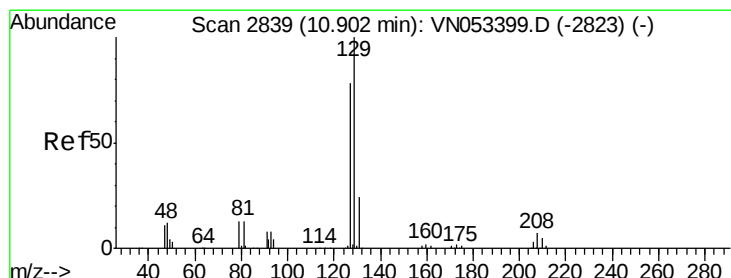
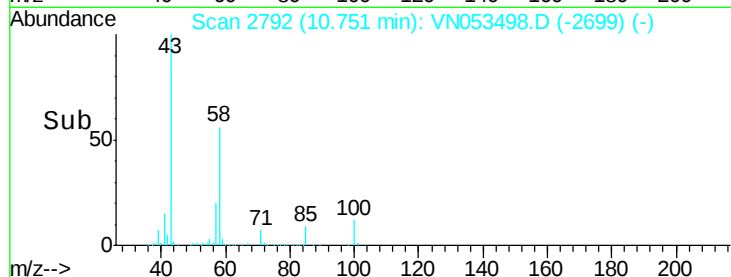
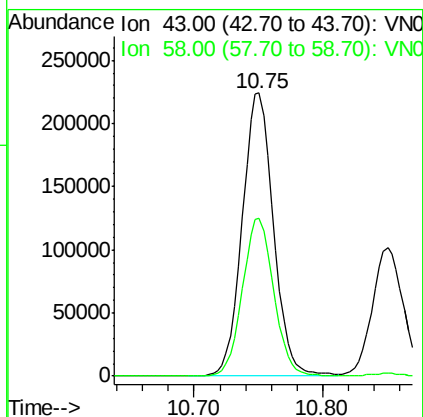
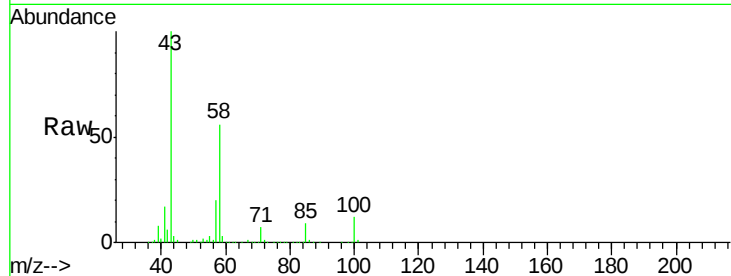
#59
2-Hexanone
Concen: 95.721 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion	43	Resp	376417
Ion Ratio	43	100	
Lower	58	56.1	28.6
Upper			85.8

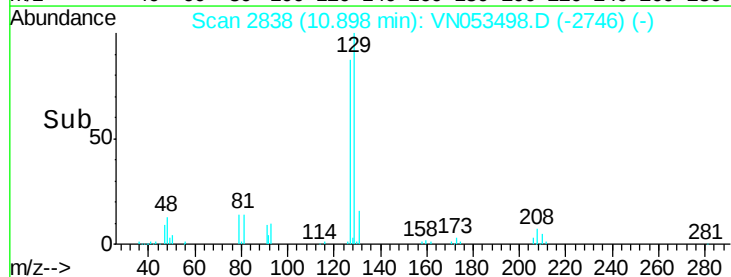
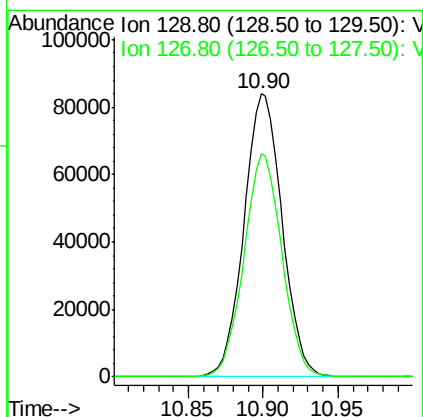
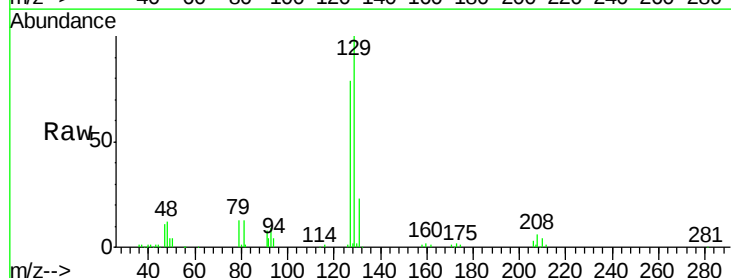
Manual Integrations
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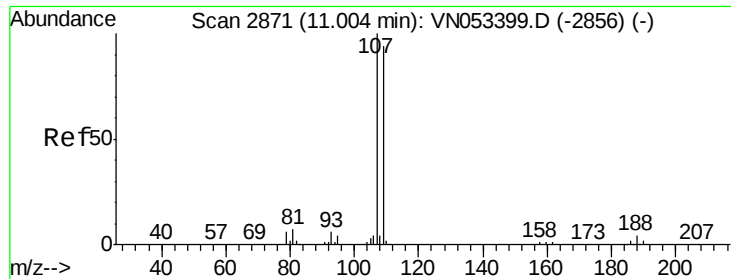
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#60
Dibromochloromethane
Concen: 20.343 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion	129	Resp	148865
Ion Ratio	129	100	
Lower	127	78.7	38.6
Upper			115.8





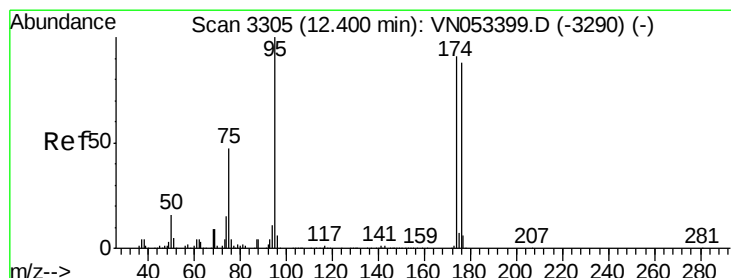
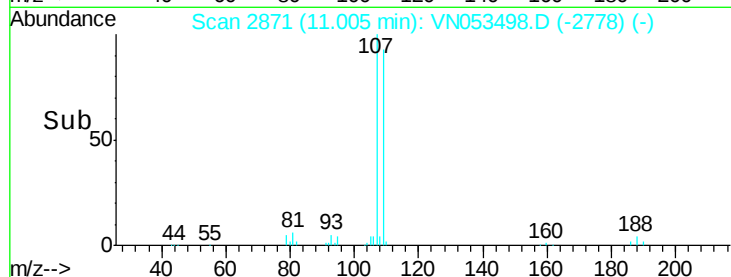
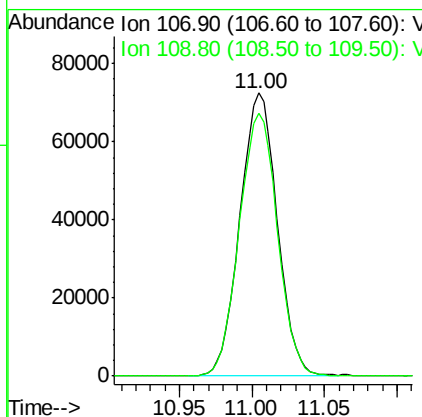
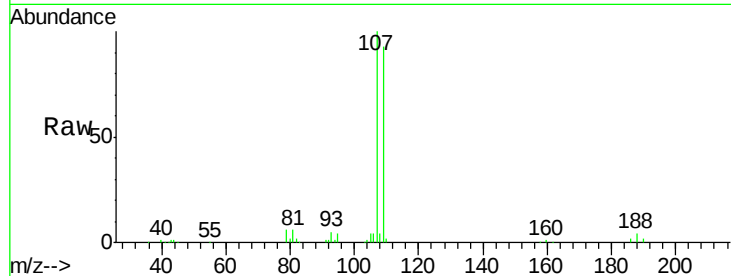
#61
1,2-Dibromoethane
Concen: 19.943 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion: 107 Resp: 130128
Ion Ratio Lower Upper
107 100
109 95.2 75.7 113.5

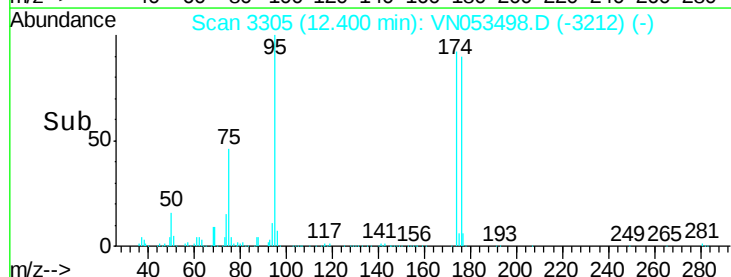
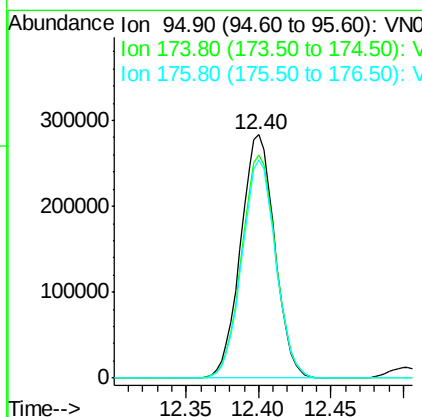
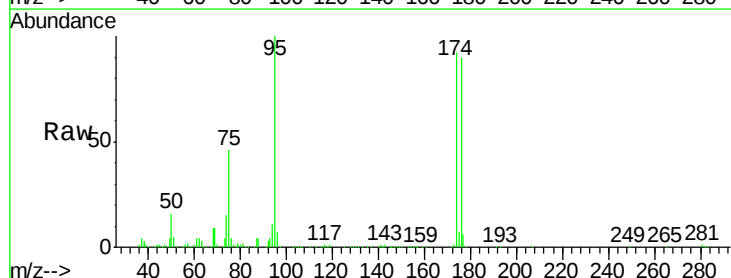
Manual Integrations
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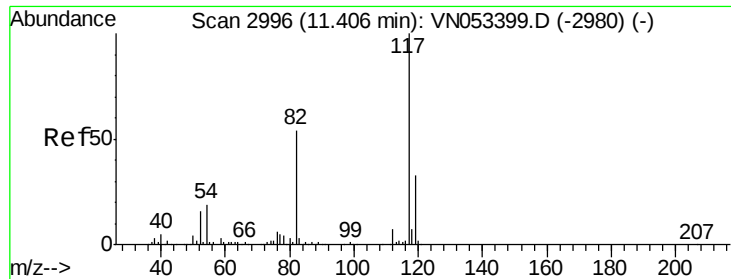
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 19.943 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion: 95 Resp: 463907
Ion Ratio Lower Upper
95 100
174 91.9 0.0 183.2
176 88.9 0.0 177.4





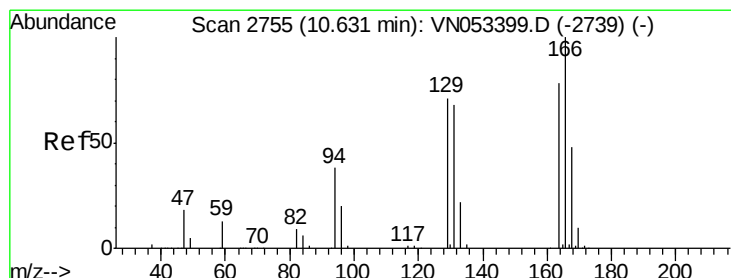
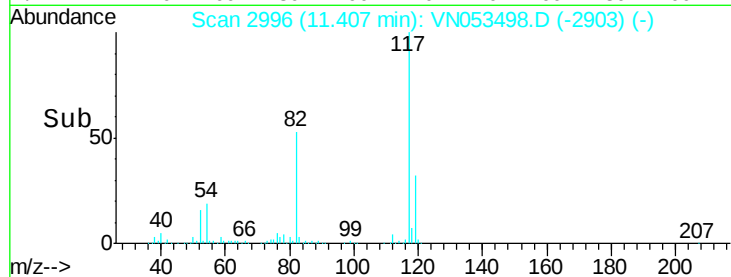
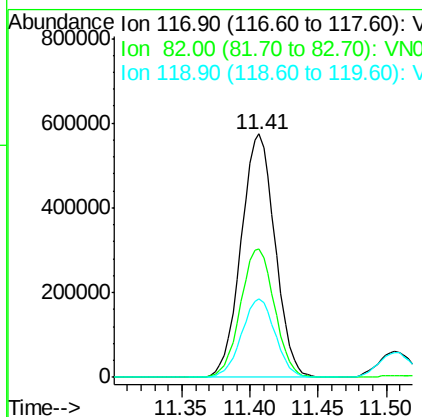
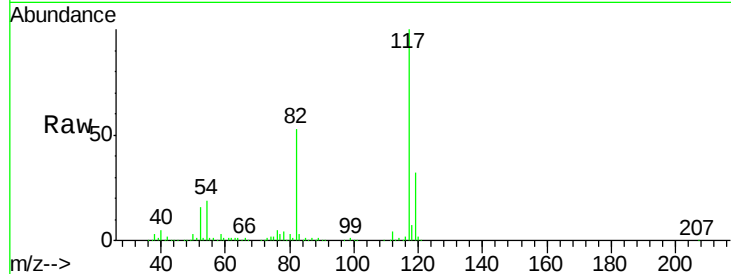
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	989368		
82	52.7		42.9	64.3
119	32.4		26.0	39.0

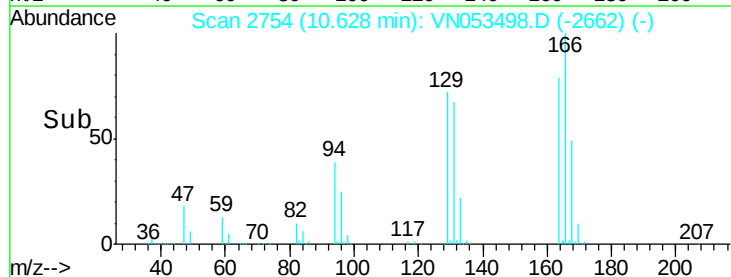
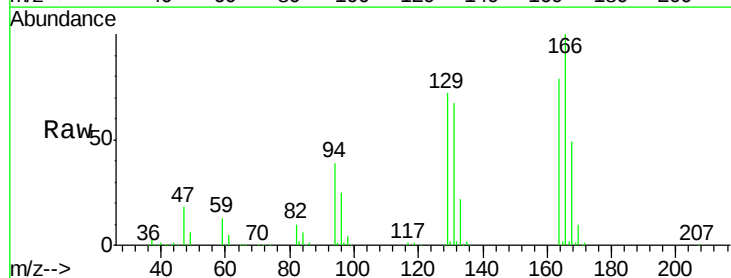
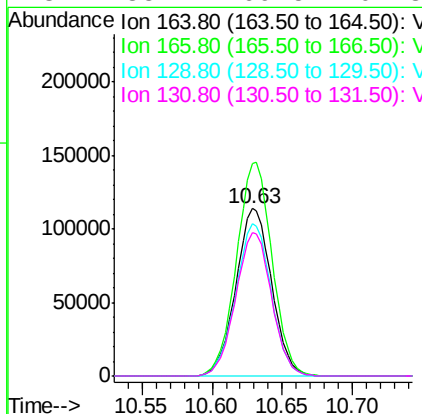
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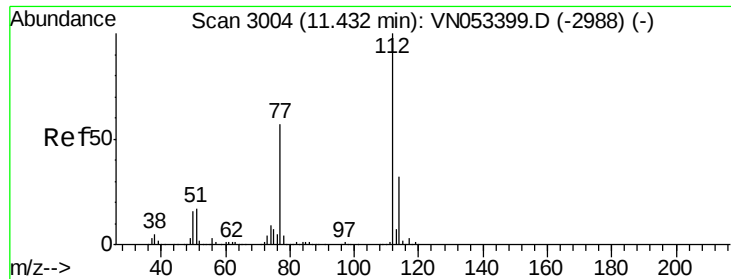
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#64
Tetrachloroethene
Concen: 21.618 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	201560		
166	126.7		102.2	153.4
129	90.7		72.6	109.0
131	85.4		69.5	104.3





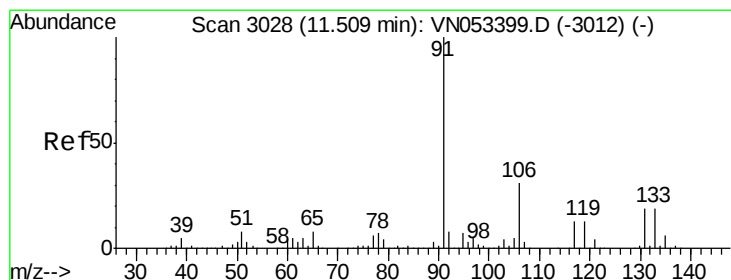
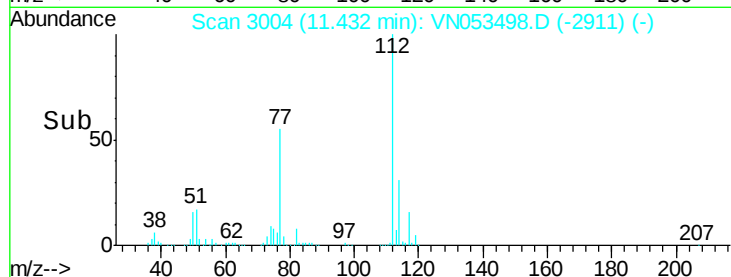
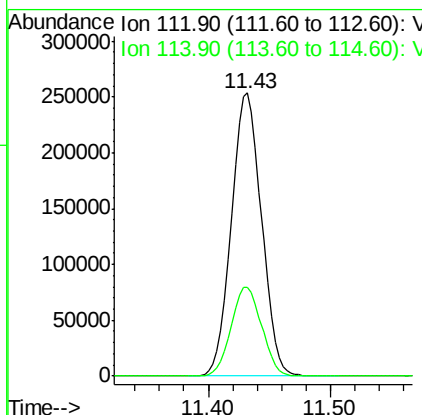
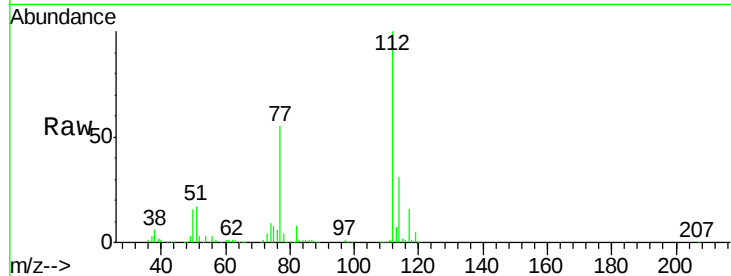
#65
Chlorobenzene
Concen: 20.771 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion:112 Resp: 434983
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9

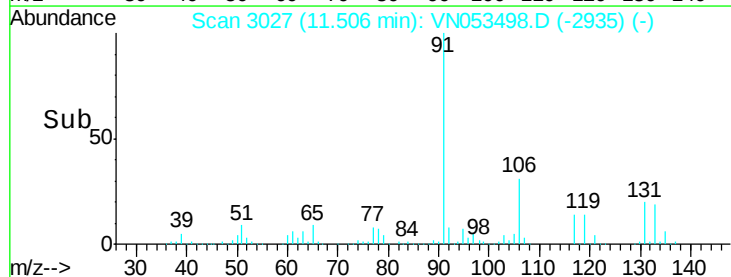
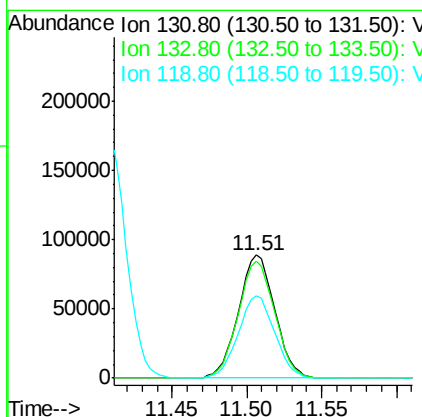
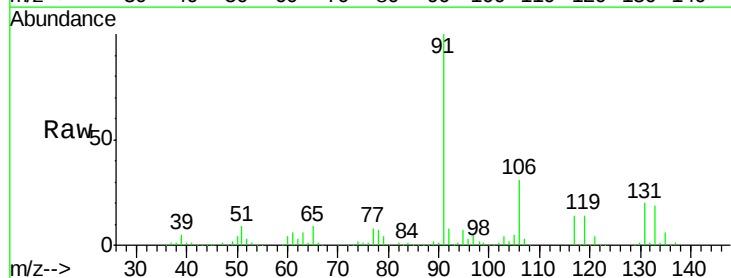
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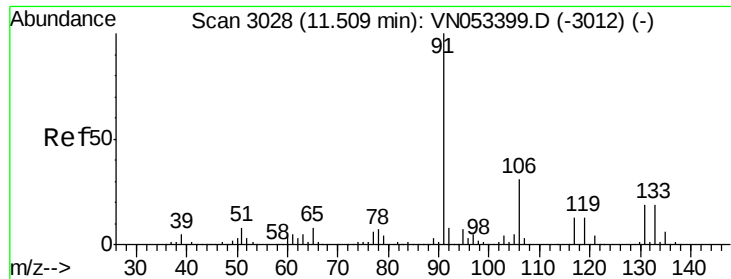
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.697 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion:131 Resp: 150787
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 67.0 33.5 100.5





#67

Ethyl Benzene

Concen: 20.382 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS01

Tot Ion: 91 Resp: 727409

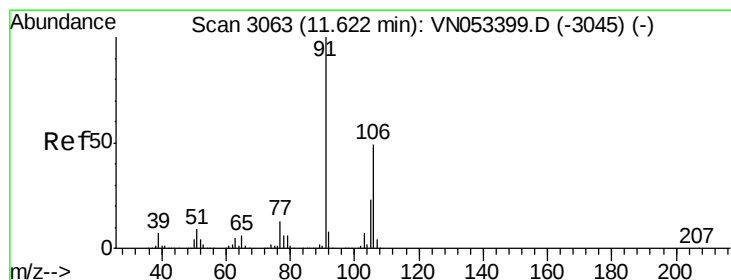
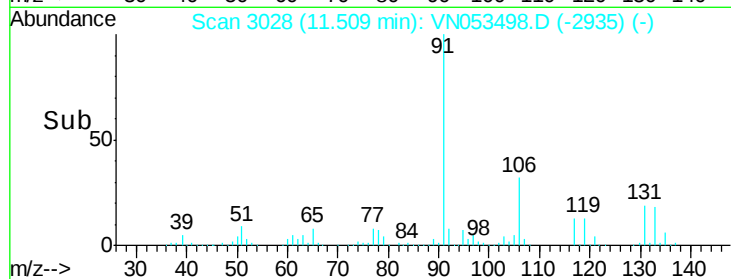
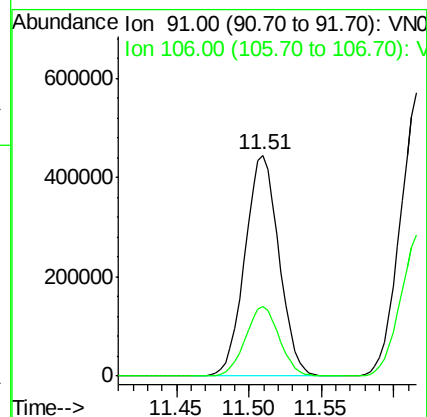
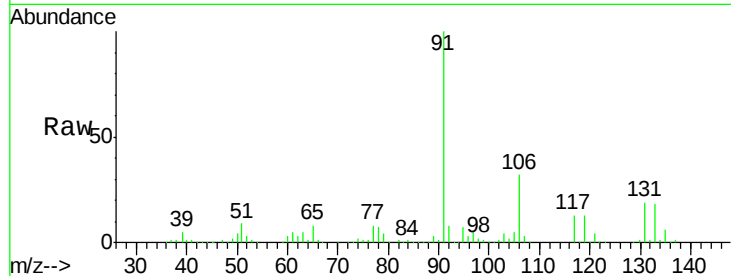
Ion Ratio Lower Upper

91 100

106 31.7 25.0 37.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 42.138 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053498.D

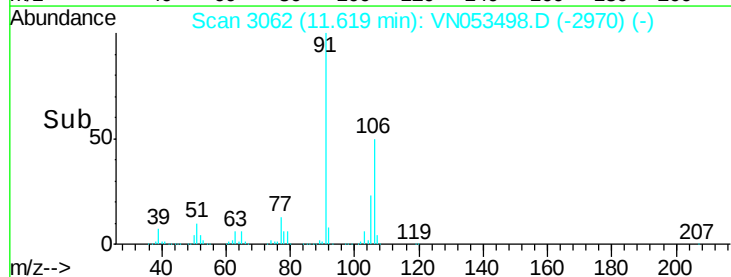
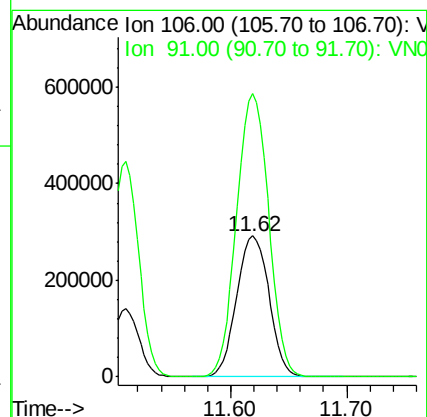
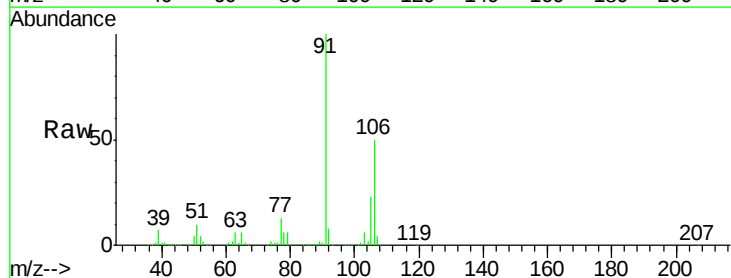
Acq: 21 Jan 2019 11:25

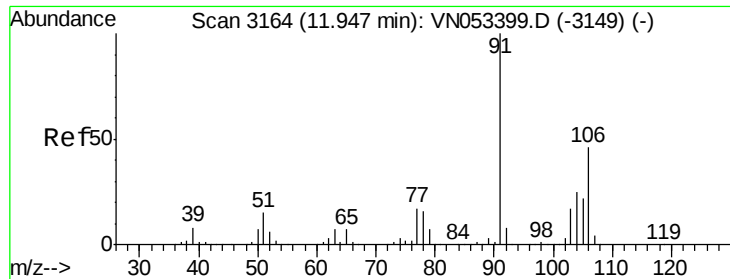
Tgt Ion: 106 Resp: 567806

Ion Ratio Lower Upper

106 100

91 199.3 161.4 242.2





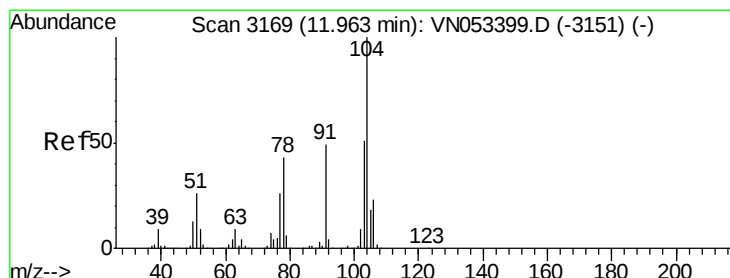
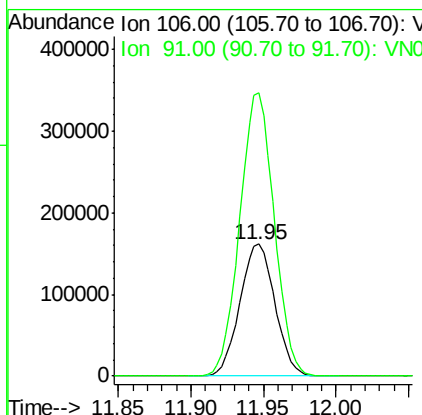
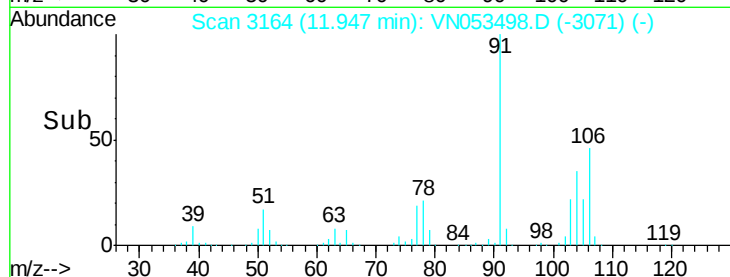
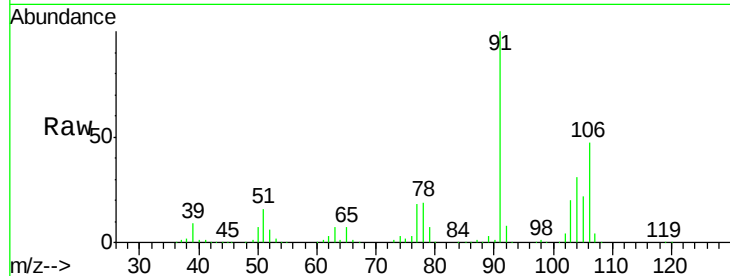
#69
o-Xylene
Concen: 20.746 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion:106 Resp: 271638
Ion Ratio Lower Upper
106 100
91 211.1 106.9 320.8

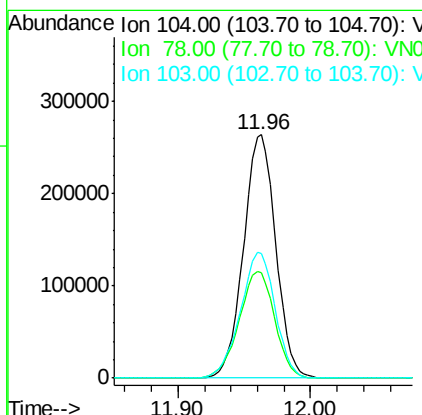
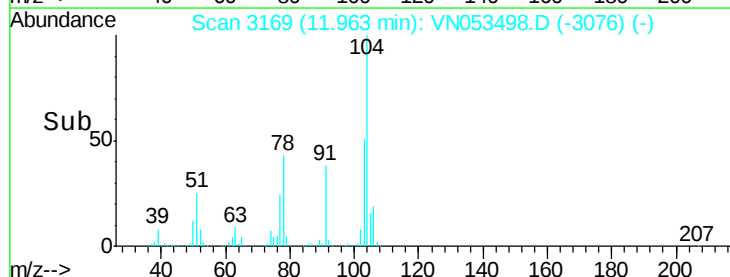
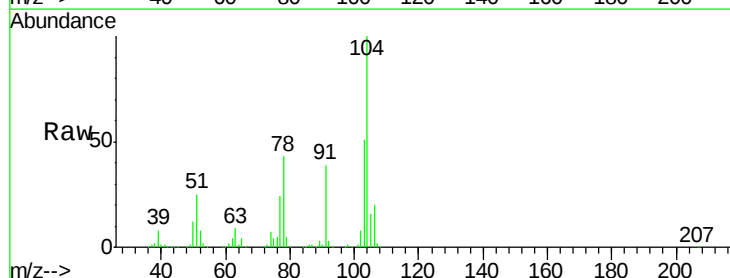
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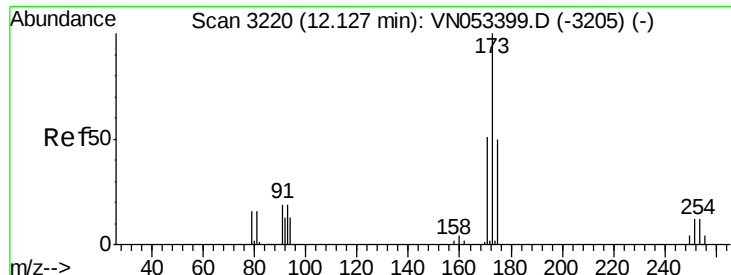
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#70
Styrene
Concen: 20.961 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion:104 Resp: 445420
Ion Ratio Lower Upper
104 100
78 48.3 38.2 57.2
103 56.0 44.4 66.6





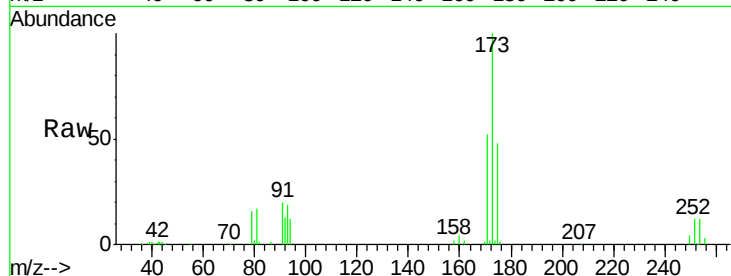
#71
Bromoform
Concen: 20.300 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

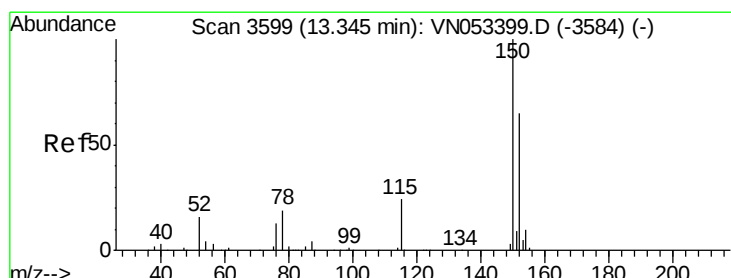
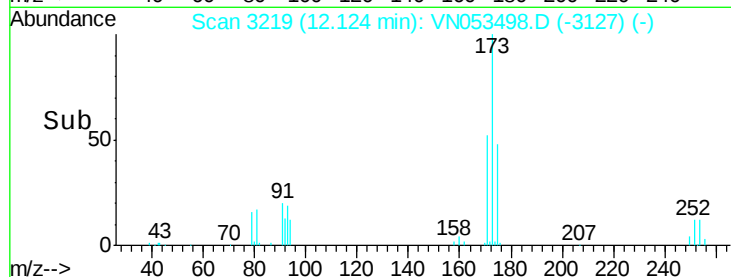
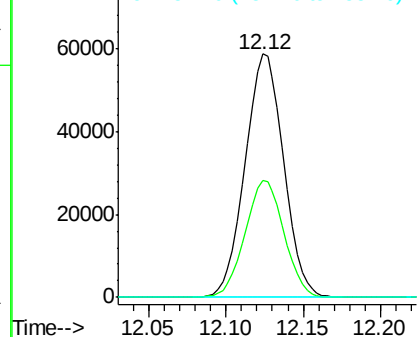
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	74.0
254	0.0	0.2	0.2

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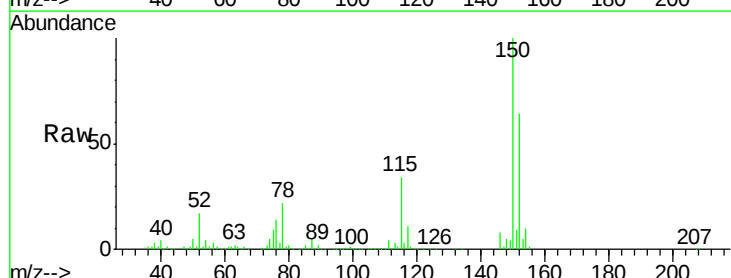


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

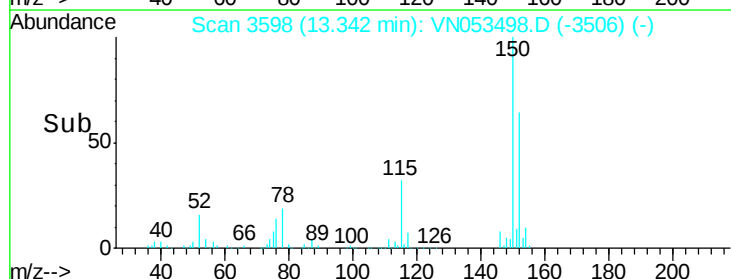
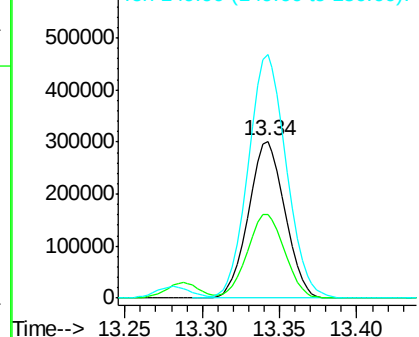


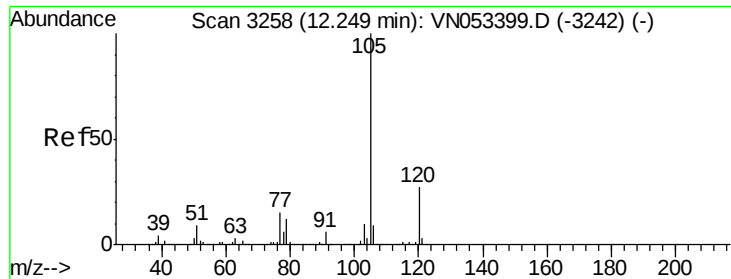
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.8	83.4
150	163.1	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





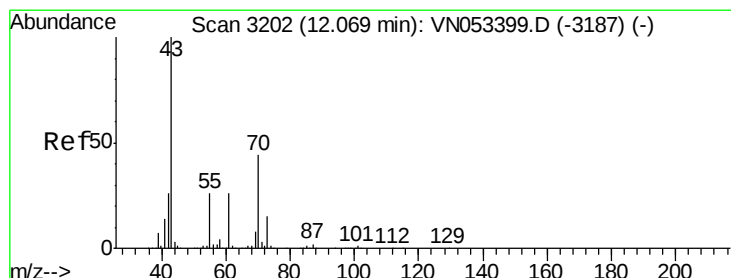
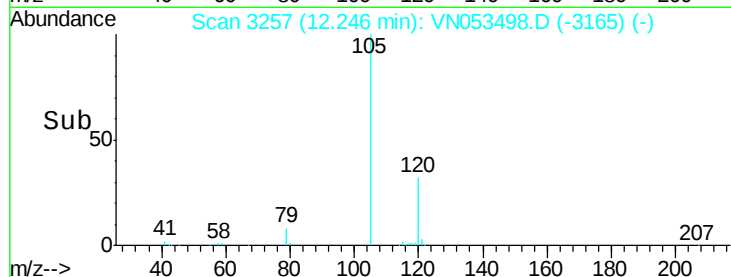
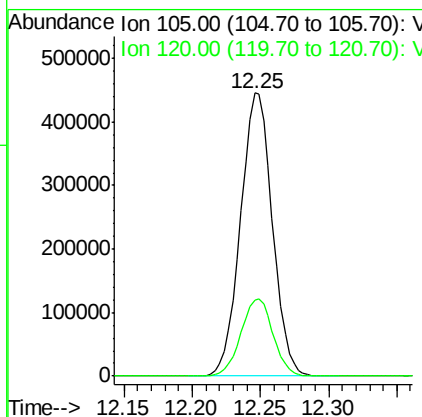
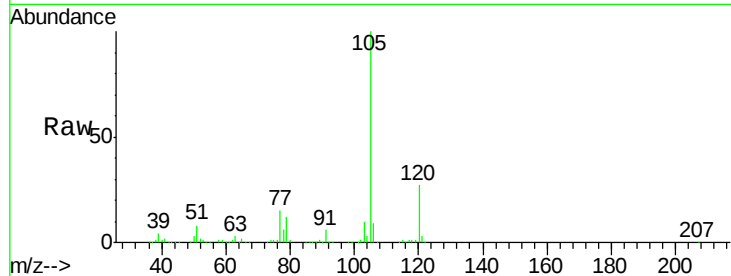
#73
Isopropylbenzene
Concen: 20.002 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.6	40.7

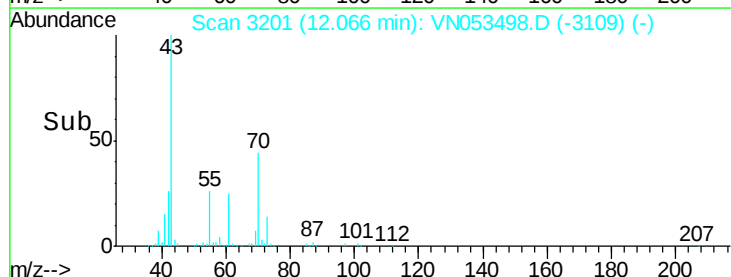
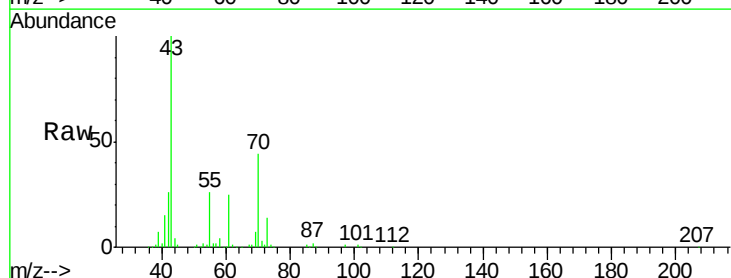
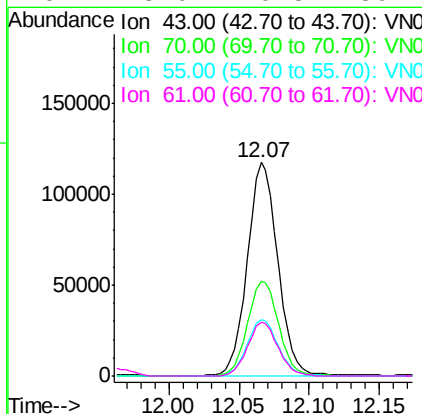
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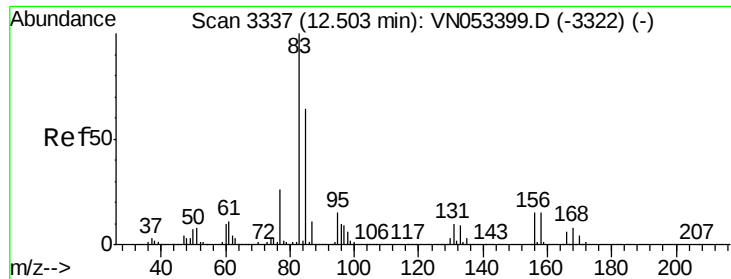
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#74
N-ethyl acetate
Concen: 18.481 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.4	35.4	53.2
55	27.2	20.9	31.3
61	25.0	20.5	30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.233 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

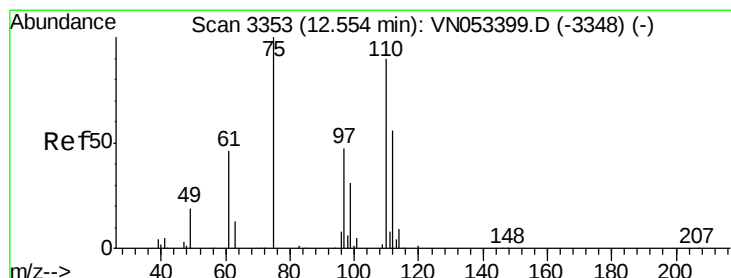
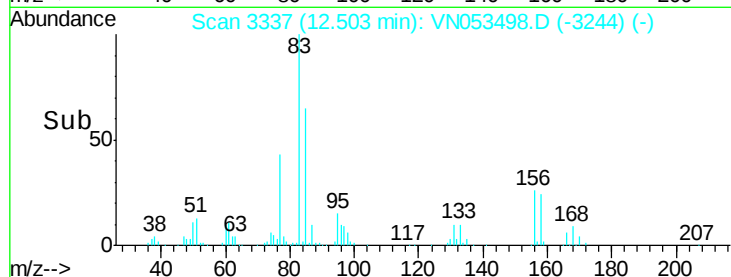
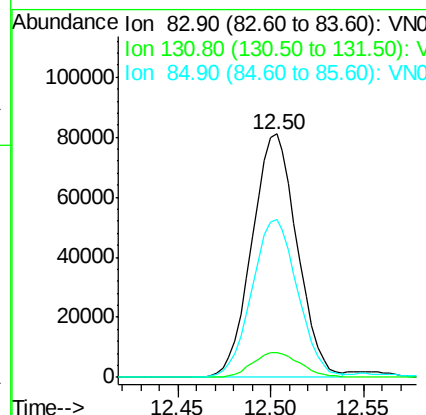
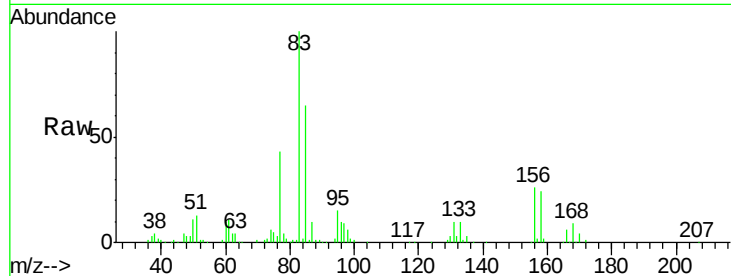
ClientSampleId :

VN0121MBS01

Tot Ion:	83	Resp:	137931
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	15.8
85	65.8	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.798 ug/l m

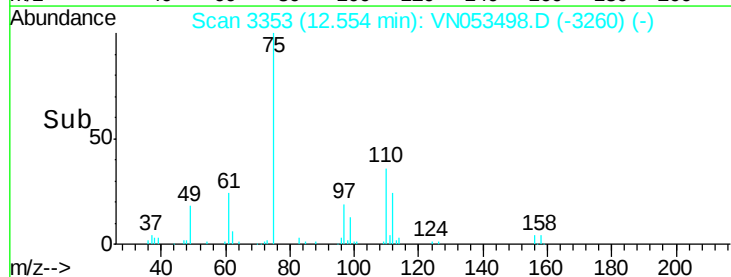
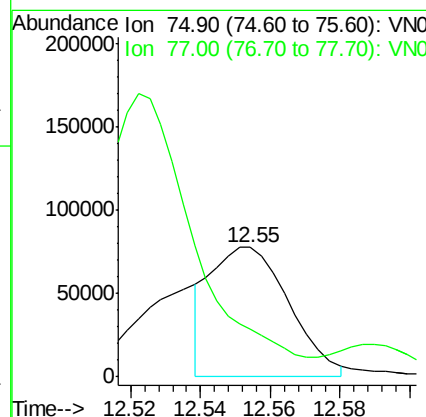
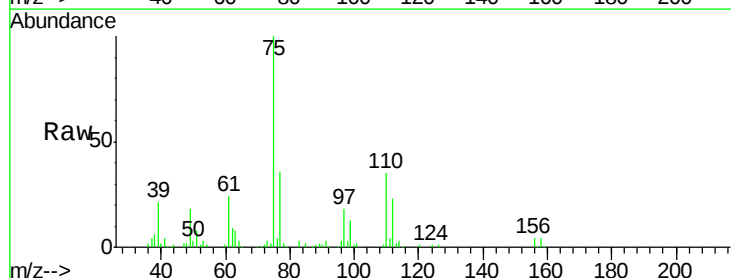
RT: 12.55 min Scan# 3353

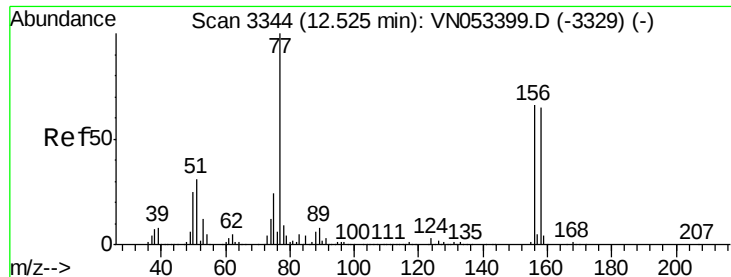
Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Tgt Ion:	75	Resp:	122020
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.804 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

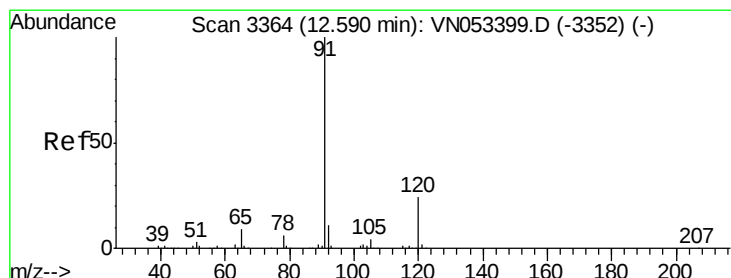
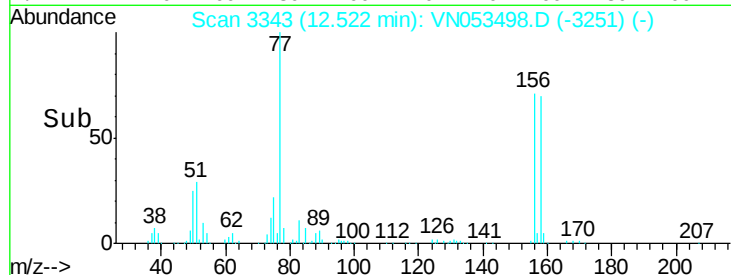
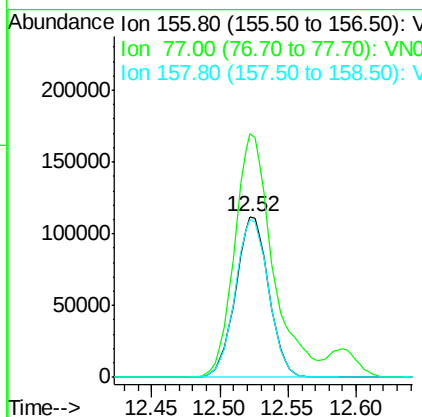
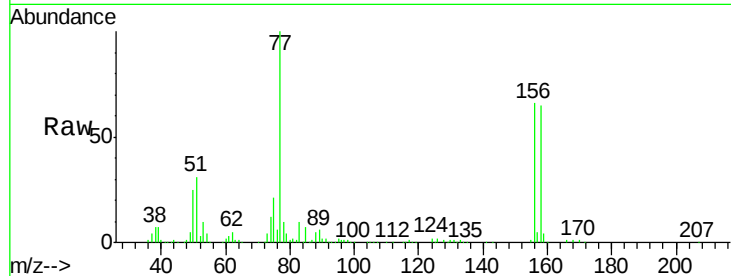
ClientSampleId :

VN0121MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.6	87.9	263.8
158	99.4	48.8	146.4

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#78

n-propylbenzene

Concen: 20.230 ug/l

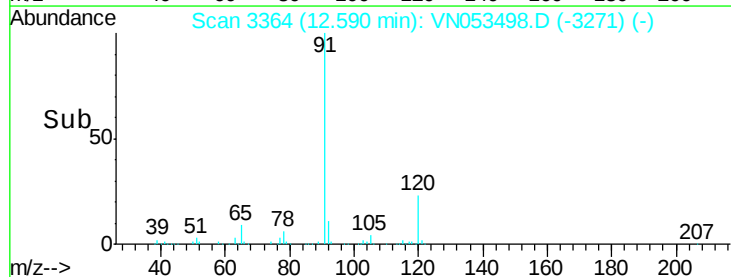
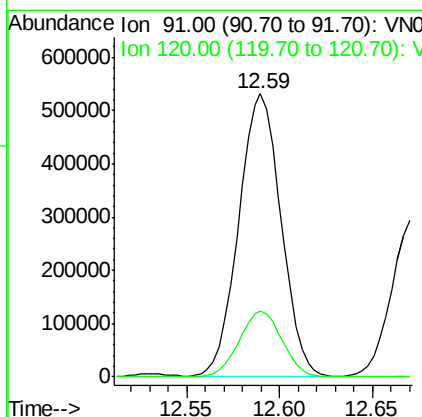
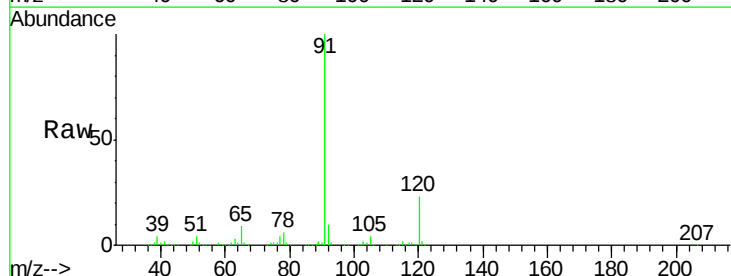
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.116 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS01

Tot Ion: 91 Resp: 493689

Ion Ratio Lower Upper

91 100

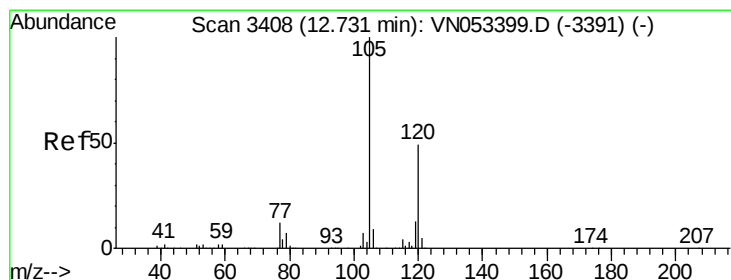
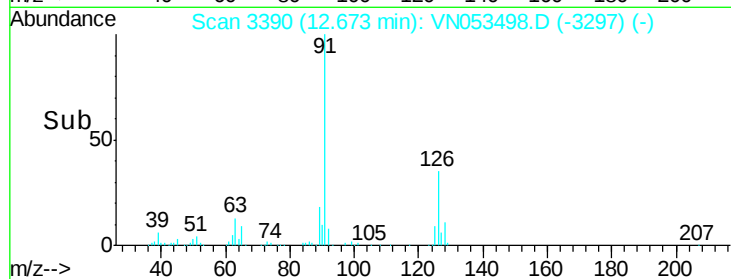
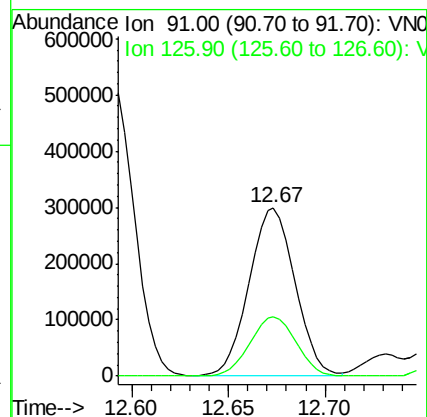
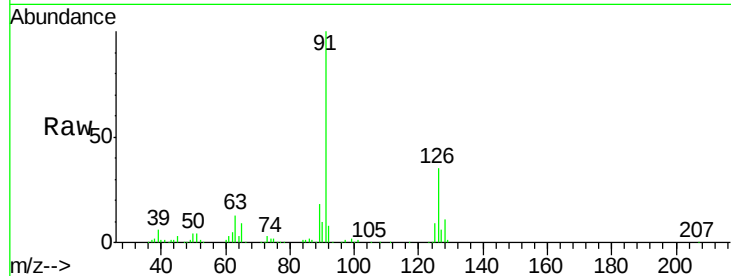
126 35.7 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 20.502 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053498.D

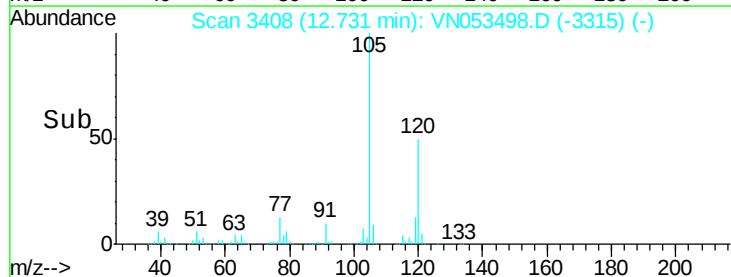
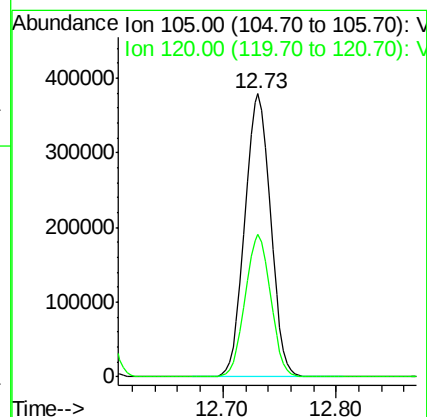
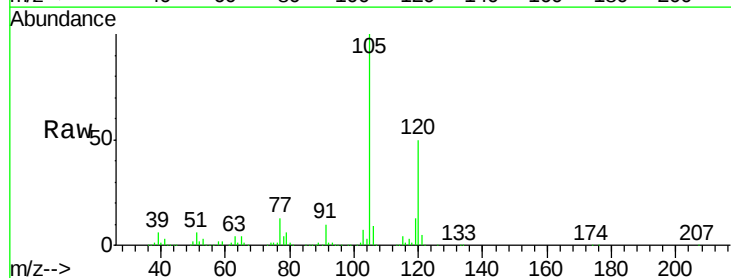
Acq: 21 Jan 2019 11:25

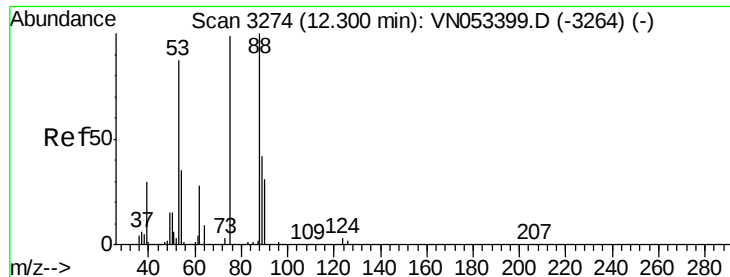
Tgt Ion: 105 Resp: 601692

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6





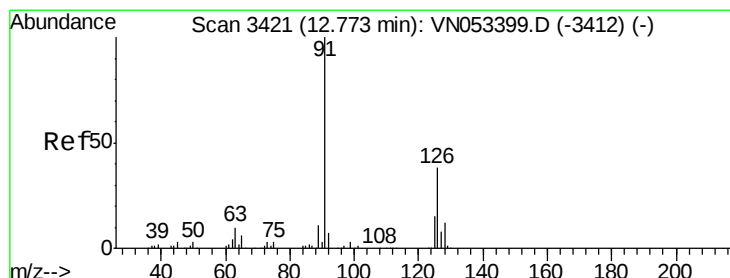
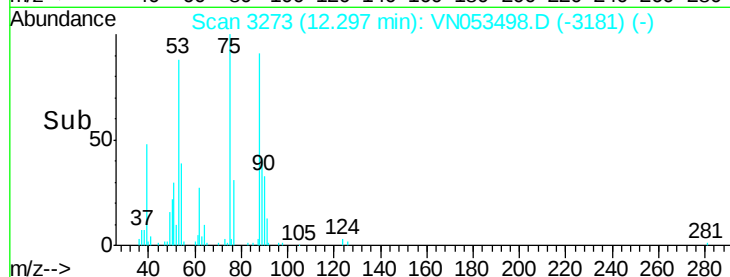
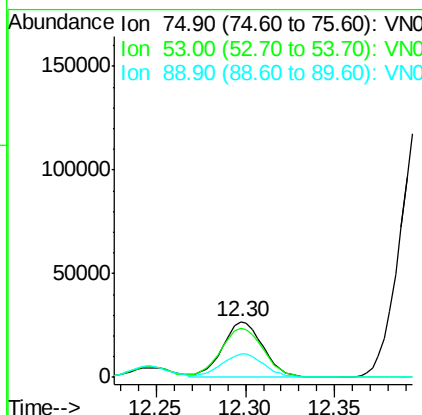
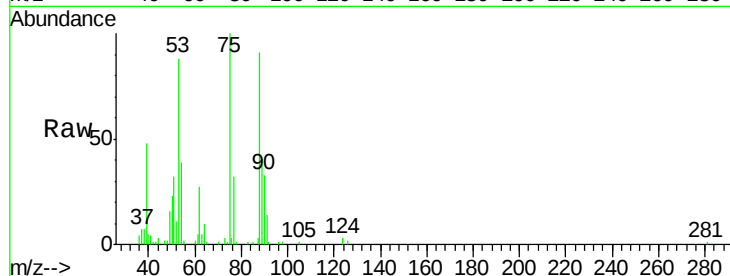
#81
trans-1,4-Dichloro-2-butene
Concen: 18.277 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.2	69.8	104.6
89	43.1	35.6	53.4

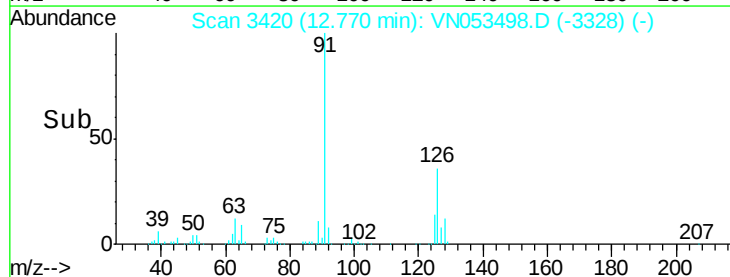
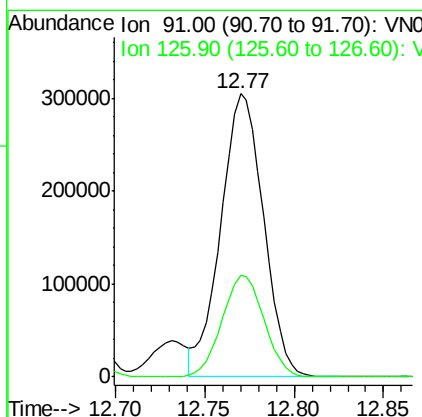
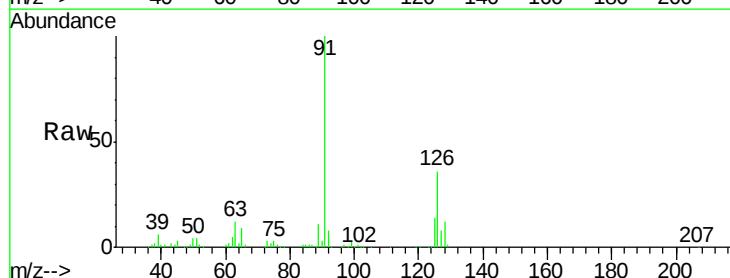
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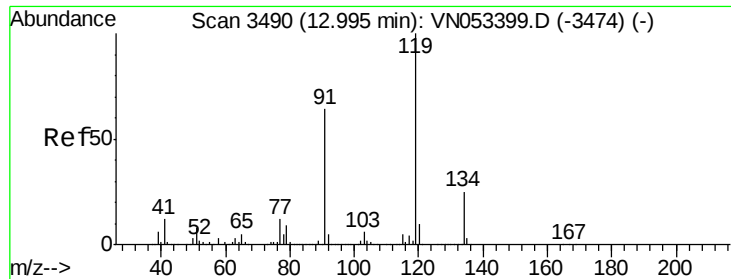
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.252 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.6	52.9





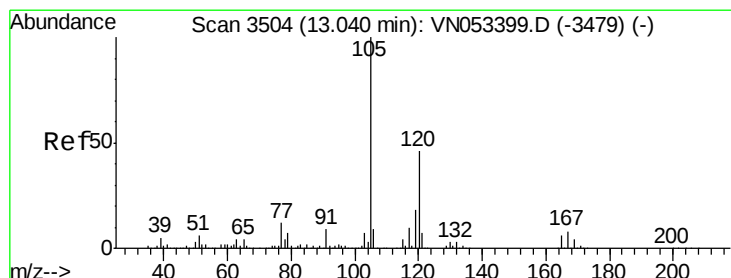
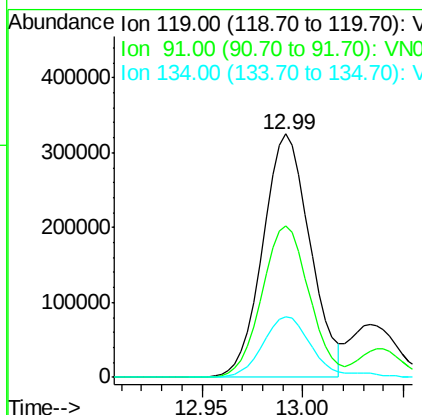
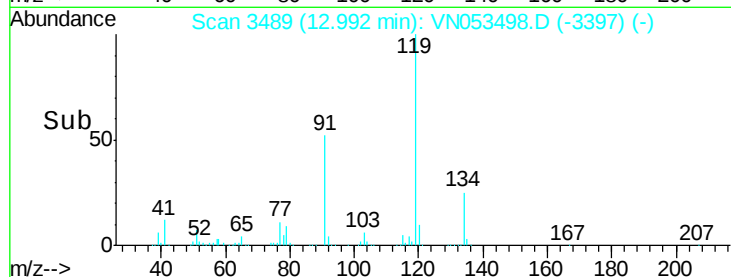
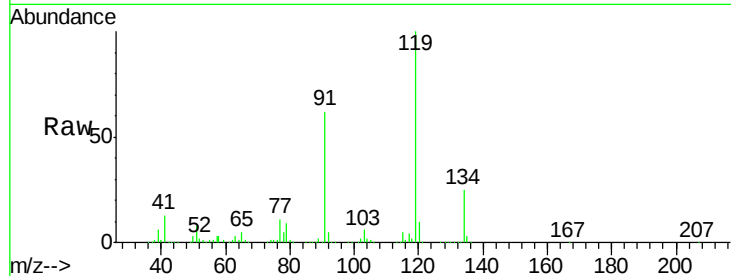
#83
 tert-Butylbenzene
 Concen: 20.437 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	529744		
91	62.6		31.3	93.8
134	26.2		12.9	38.7

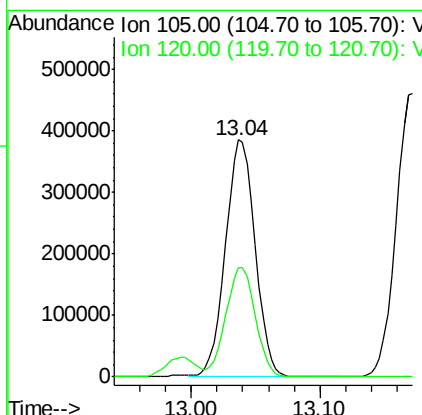
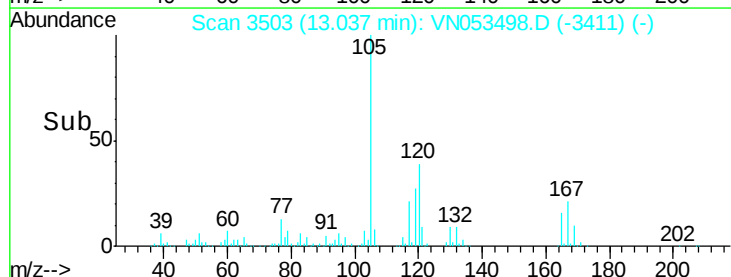
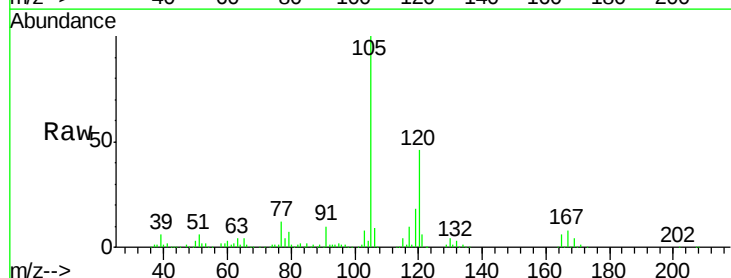
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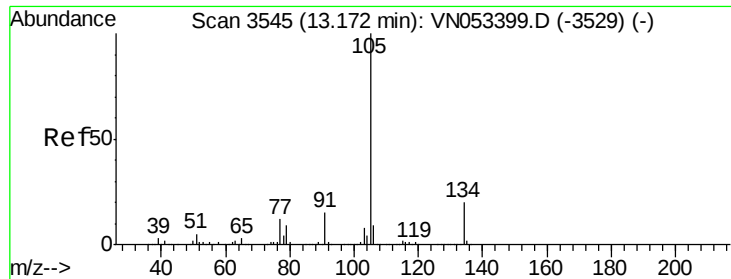
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.747 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	613955		
120	46.0		23.0	69.0





#85

sec-Butylbenzene

Concen: 20.457 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN0121MBS01

Tot Ion:105 Resp: 727220

Ion Ratio Lower Upper

105 100

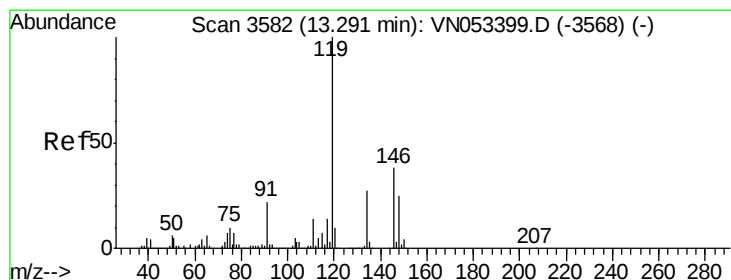
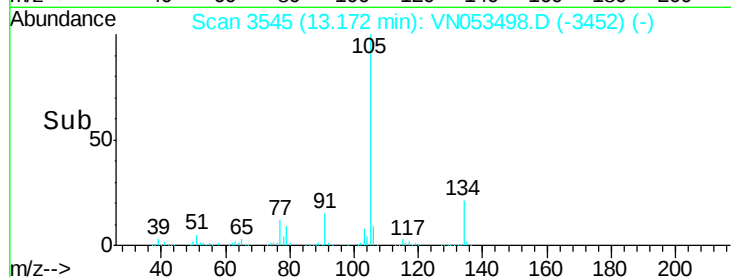
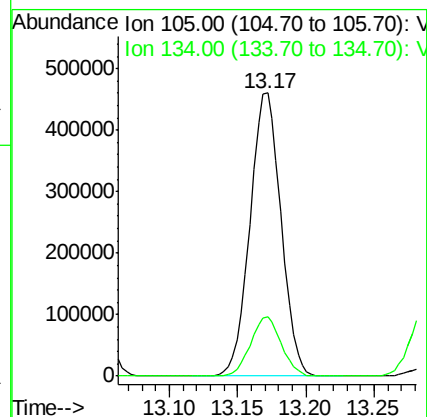
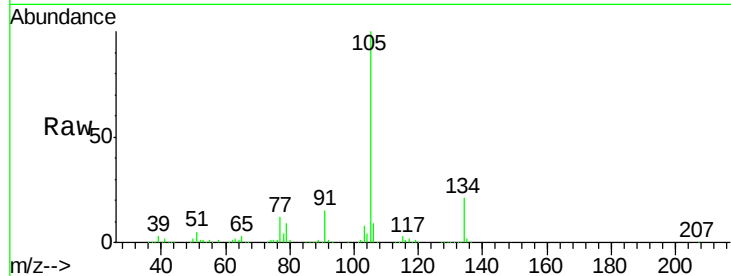
134 20.8 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 20.720 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

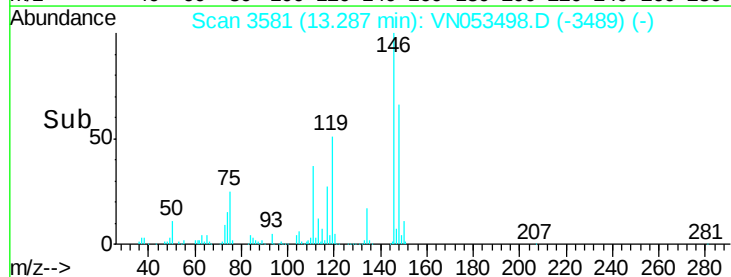
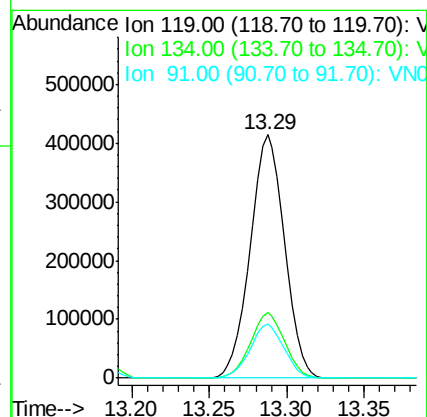
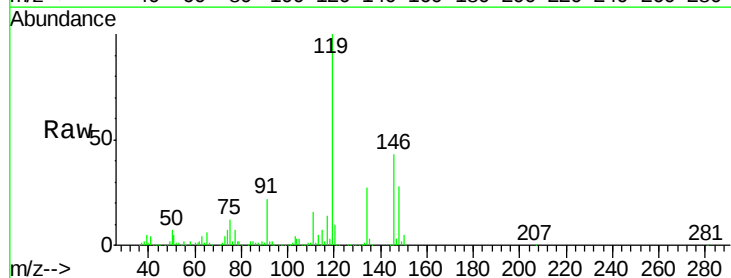
Tgt Ion:119 Resp: 639555

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 21.8 11.0 33.0





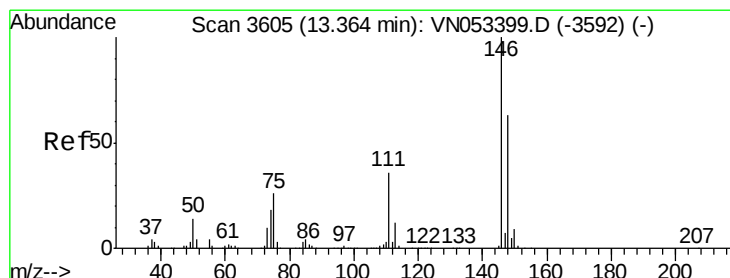
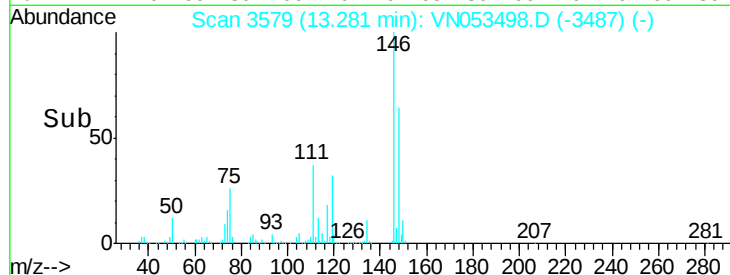
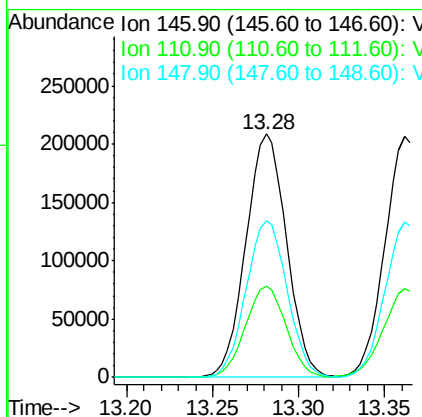
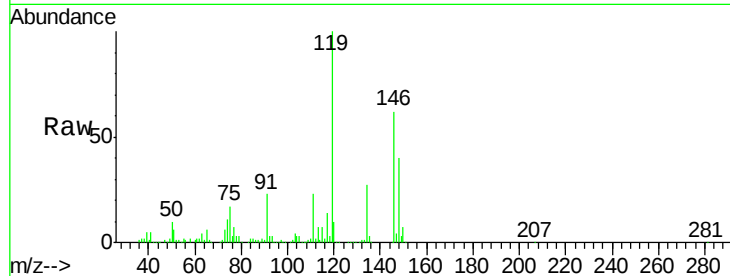
#87
 1,3-Dichlorobenzene
 Concen: 20.469 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	64.9	32.0	96.2

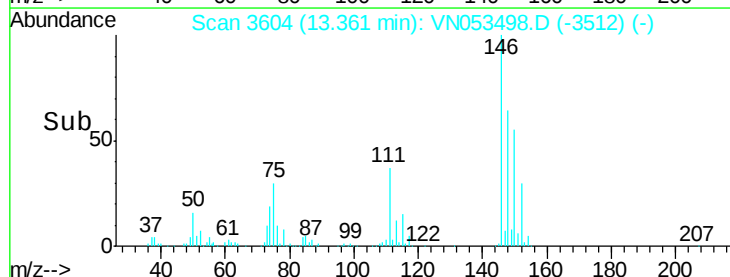
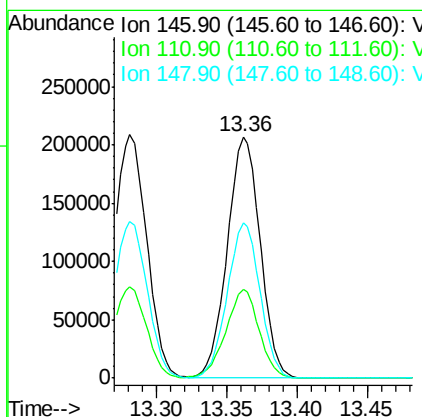
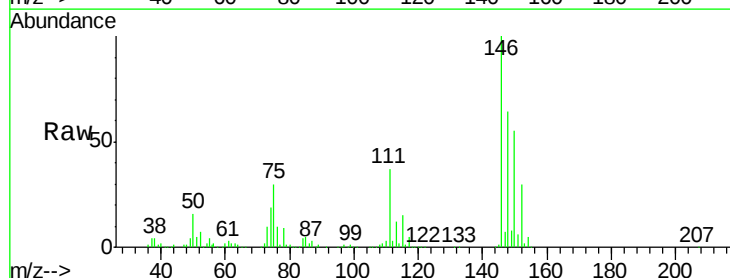
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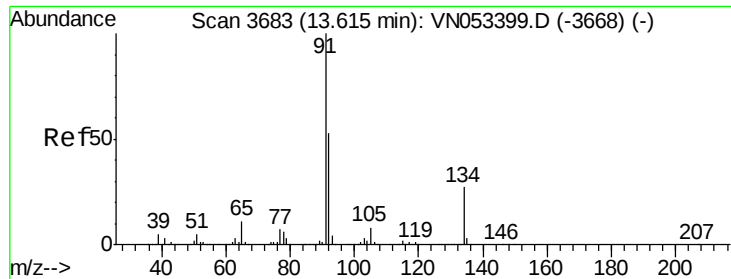
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#88
 1,4-Dichlorobenzene
 Concen: 20.132 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	55.8
148	64.1	32.4	97.0





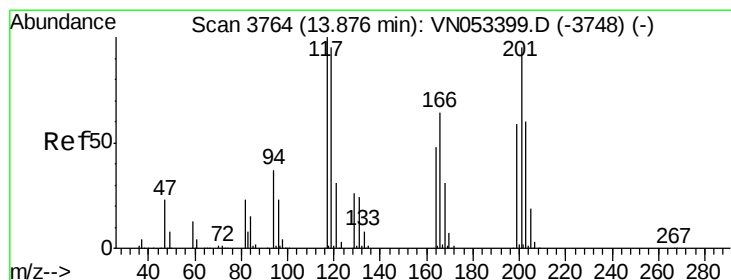
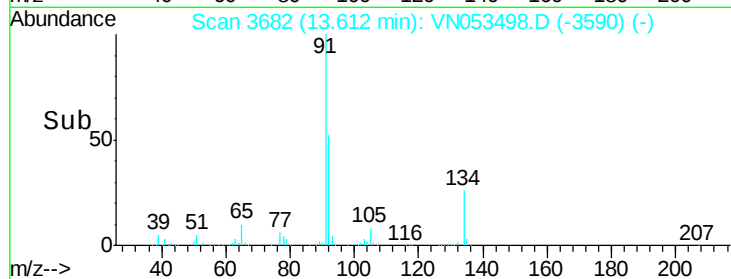
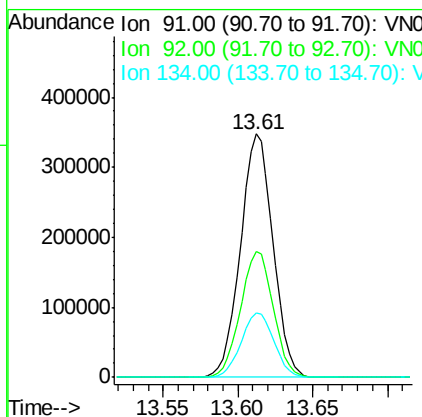
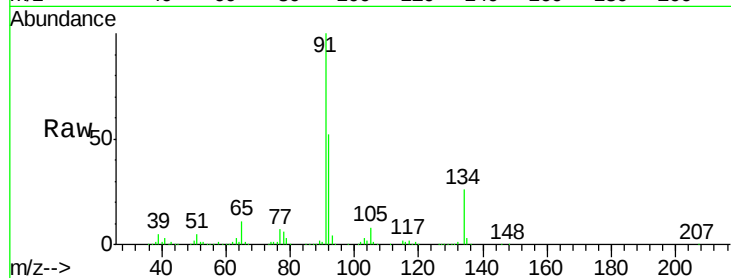
#89
n-Butylbenzene
Concen: 19.968 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN0121MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.8
134	26.7	13.5	40.5

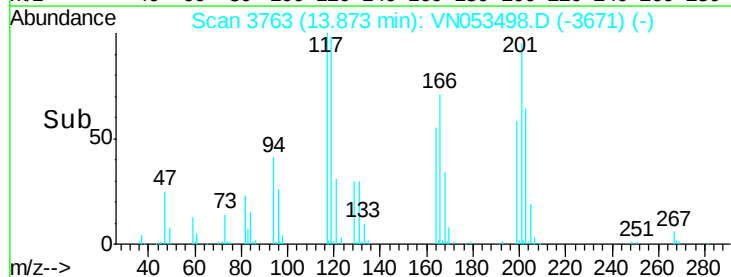
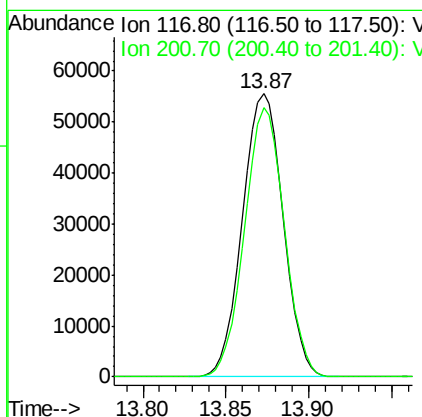
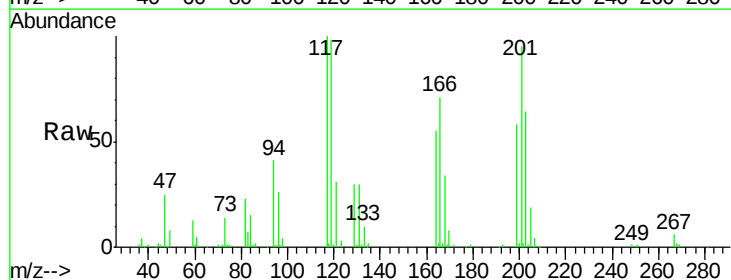
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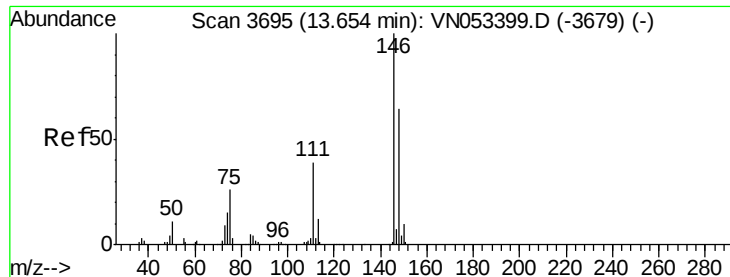
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#90
Hexachloroethane
Concen: 19.666 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053498.D
Acq: 21 Jan 2019 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.7	46.8	140.4





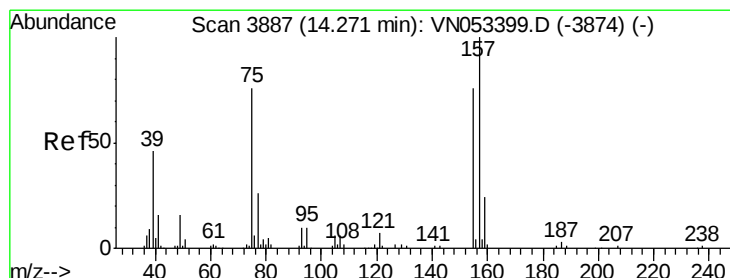
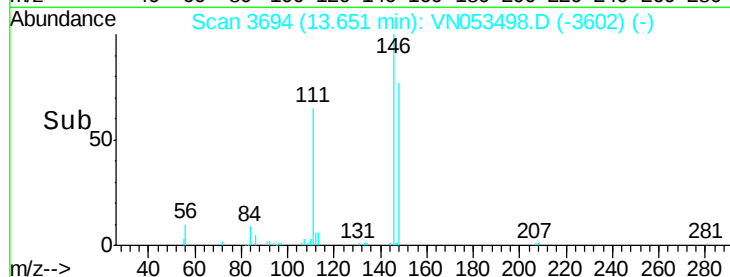
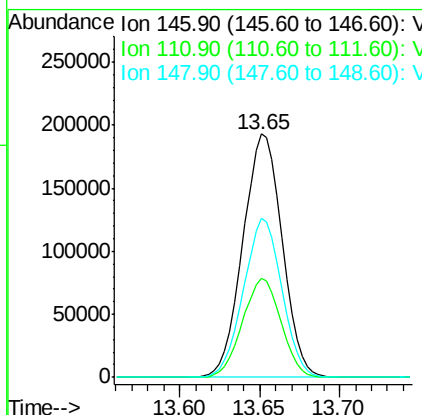
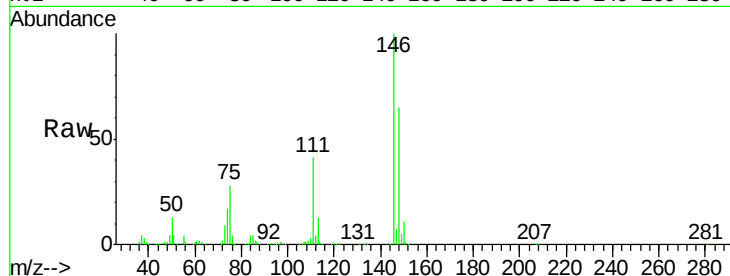
#91
 1,2-Dichlorobenzene
 Concen: 21.103 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.5	58.5
148	63.7	31.9	95.9

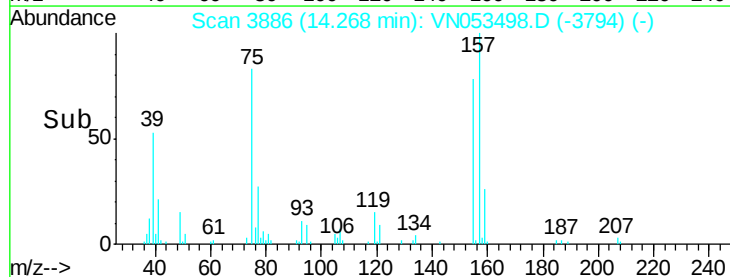
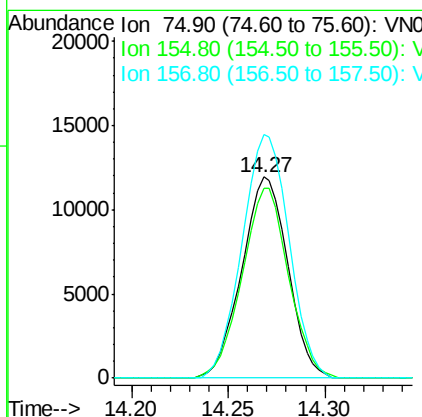
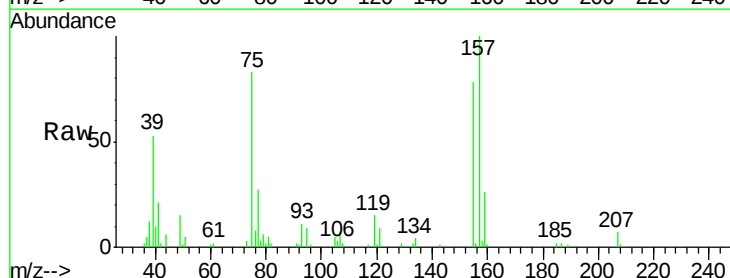
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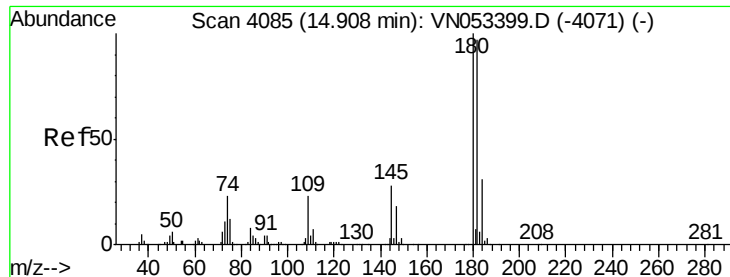
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.602 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	48.9	146.7
157	123.6	63.7	191.3





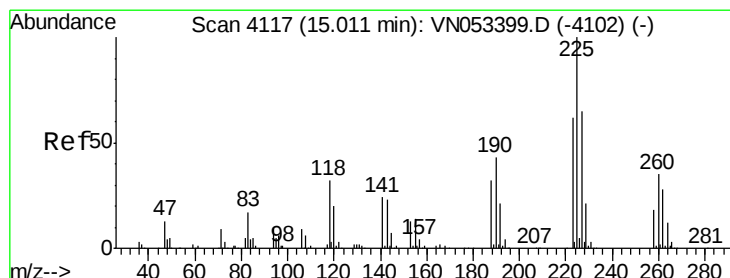
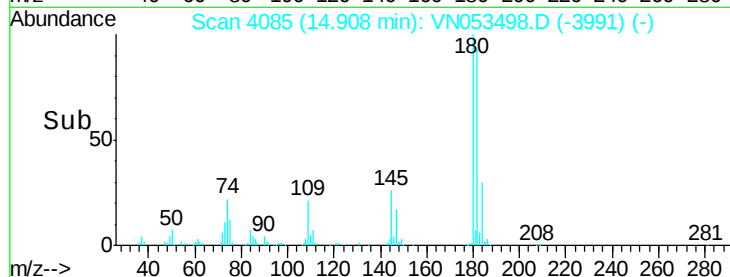
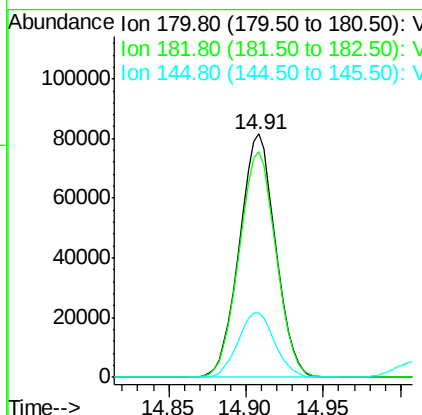
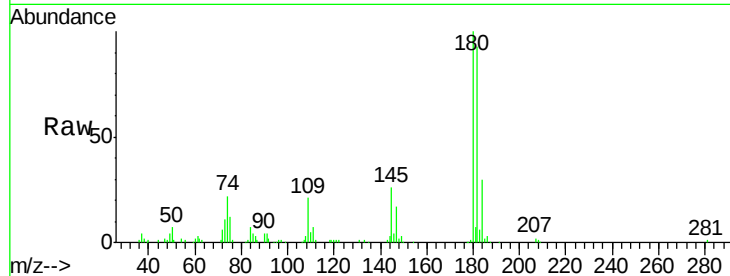
#93
 1,2,4-Trichlorobenzene
 Concen: 21.218 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.1	144.3
145	26.9	13.9	41.6

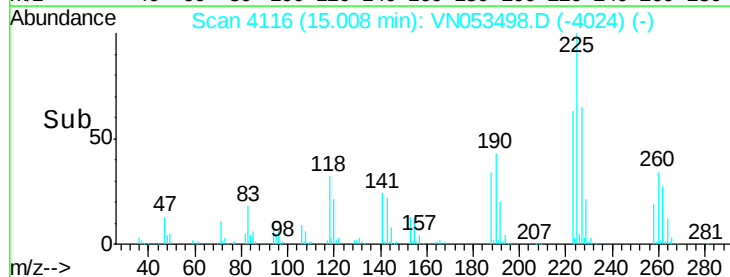
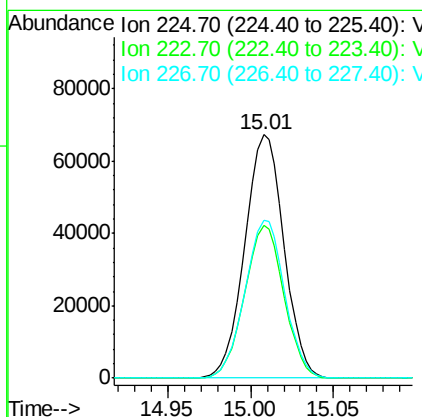
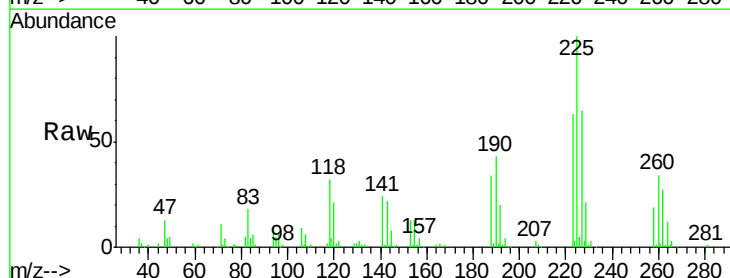
Manual Integrations
 APPROVED

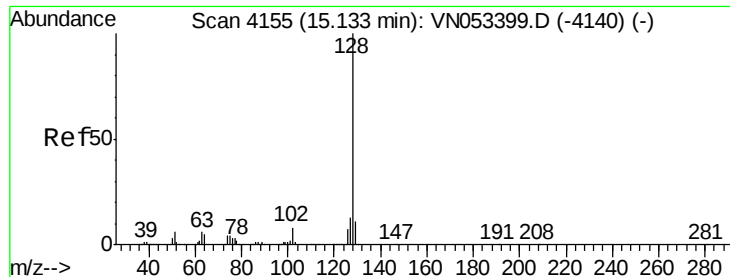
MMDadoda
 1/22/2019 9:47:20 AM



#94
 Hexachlorobutadiene
 Concen: 23.031 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053498.D
 Acq: 21 Jan 2019 11:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.1	93.2
227	65.7	32.0	96.2





#95

Naphthalene

Concen: 19.226 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Instrument :

MSVOA_N

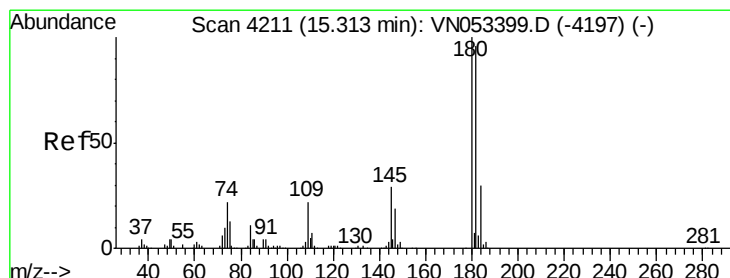
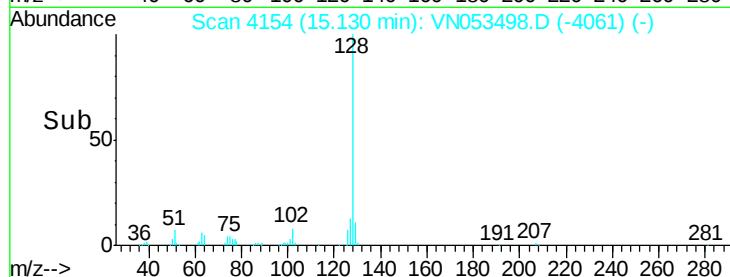
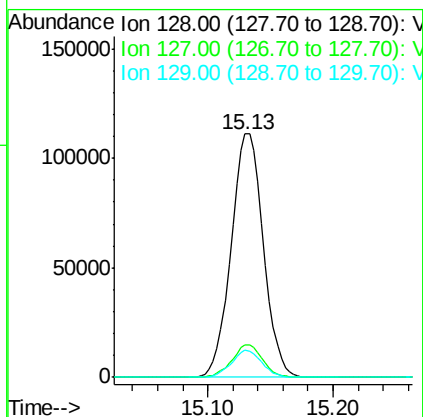
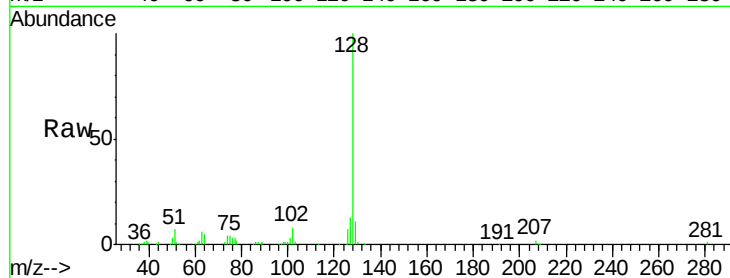
ClientSampled :

VN0121MBS01

Tot Ion:	128	Resp:	197601
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.5	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/22/2019 9:47:20 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.677 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053498.D

Acq: 21 Jan 2019 11:25

Tgt Ion:	180	Resp:	90350
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.9	143.8
145	28.9	14.7	44.1

