

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012119\
 Data File : VN053494.D
 Acq On : 21 Jan 2019 9:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 9:47:14 AM

Quant Time: Jan 22 04:21:04 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	777731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1105872	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1009692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	514946	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	350870	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	
35) Dibromofluoromethane	7.59	113	327050	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
50) Toluene-d8	10.09	98	1349119	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.40	95	467901	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	301912	48.283	ug/l	100
3) Chloromethane	2.06	50	398060	44.525	ug/l	98
4) Vinyl Chloride	2.19	62	400947	46.525	ug/l	99
5) Bromomethane	2.57	94	280380	47.416	ug/l	97
6) Chloroethane	2.71	64	245136	47.048	ug/l	97
7) Trichlorofluoromethane	3.03	101	558893	49.581	ug/l	100
8) Diethyl Ether	3.41	74	191849	45.315	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	361929	50.698	ug/l	98
10) Methyl Iodide	3.96	142	518737	47.550	ug/l	99
11) Tert butyl alcohol	4.77	59	75079	199.601	ug/l	100
12) 1,1-Dichloroethene	3.74	96	334528	48.312	ug/l	97
13) Acrolein	3.60	56	142255	198.923	ug/l	97
14) Allyl chloride	4.33	41	549315	48.840	ug/l	99
15) Acrylonitrile	4.98	53	518570	209.485	ug/l	100
16) Acetone	3.81	43	448632	248.751	ug/l	99
17) Carbon Disulfide	4.06	76	995862	47.559	ug/l	100
18) Methyl Acetate	4.32	43	243787	40.120	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	816245	44.366	ug/l	100
20) Methylene Chloride	4.55	84	384486	46.694	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	363172	49.059	ug/l	99
22) Diisopropyl ether	5.94	45	1147565	48.875	ug/l	99
23) Vinyl Acetate	5.89	43	3250029	225.177	ug/l	100
24) 1,1-Dichloroethane	5.85	63	681635	49.108	ug/l	100
25) 2-Butanone	6.83	43	594437	213.882	ug/l	100
26) 2,2-Dichloropropane	6.82	77	518931	49.517	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	418093	49.389	ug/l	100
28) Bromochloromethane	7.19	49	290639	47.530	ug/l	99
29) Tetrahydrofuran	7.20	42	355627	196.554	ug/l	99
30) Chloroform	7.37	83	675915	49.980	ug/l	99
31) Cyclohexane	7.65	56	640118	47.376	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	566581	49.388	ug/l	99
36) 1,1-Dichloropropene	7.79	75	528091	52.435	ug/l	99
37) Ethyl Acetate	6.92	43	246154	42.482	ug/l	99
38) Carbon Tetrachloride	7.77	117	505029	52.966	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	668047	53.667	ug/l	100
40) Benzene	8.04	78	1566511	51.185	ug/l	100
41) Methacrylonitrile	7.17	41	157831	45.896	ug/l	98
42) 1,2-Dichloroethane	8.12	62	445865	50.007	ug/l	100
43) Isopropyl Acetate	8.16	43	450573	43.246	ug/l	97
44) Trichloroethene	8.83	130	453576	53.442	ug/l	99
45) 1,2-Dichloropropane	9.12	63	417908	51.554	ug/l	100
46) Dibromomethane	9.20	93	228076	48.971	ug/l	99
47) Bromodichloromethane	9.40	83	514038	52.483	ug/l	99
48) Methyl methacrylate	9.19	41	229732	42.705	ug/l	99
49) 1,4-Dioxane	9.20	88	56731	1079.817	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1214578	213.548	ug/l	100
52) Toluene	10.15	92	988467	52.024	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	507928	51.163	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	607495	52.201	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	324165	49.487	ug/l	99
56) Ethyl methacrylate	10.43	69	380763	41.330	ug/l	99
57) 1,3-Dichloropropane	10.71	76	556038	49.069	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1029072	224.556	ug/l	99
59) 2-Hexanone	10.75	43	888462	222.525	ug/l	99
60) Dibromochloromethane	10.90	129	381372	51.330	ug/l	100
61) 1,2-Dibromoethane	11.00	107	313721	47.354	ug/l	99
64) Tetrachloroethene	10.63	164	527507	55.438	ug/l	99
65) Chlorobenzene	11.43	112	1111712	52.018	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	394074	53.003	ug/l	100
67) Ethyl Benzene	11.51	91	1911287	52.475	ug/l	99
68) m/p-Xylenes	11.62	106	1493610	108.613	ug/l	98
69) o-Xylene	11.95	106	714969	53.506	ug/l	98
70) Styrene	11.96	104	1175617	54.209	ug/l	100
71) Bromoform	12.12	173	251888	49.211	ug/l #	100
73) Isopropylbenzene	12.25	105	1927915	51.125	ug/l	100
74) N-amyl acetate	12.07	43	414088	41.192	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	313354	39.621	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	303681m	44.751	ug/l	
77) Bromobenzene	12.52	156	487216	49.032	ug/l	97
78) n-propylbenzene	12.59	91	2266949	52.371	ug/l	100
79) 2-Chlorotoluene	12.67	91	1285835	50.115	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1606619	52.364	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	105272	39.804	ug/l	98
82) 4-Chlorotoluene	12.77	91	1349438	51.574	ug/l	100
83) tert-Butylbenzene	12.99	119	1409474	52.012	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1633121	52.789	ug/l	99
85) sec-Butylbenzene	13.17	105	1975146	53.146	ug/l	99
86) p-Isopropyltoluene	13.29	119	1765221	54.702	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	906427	51.858	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	889678	50.743	ug/l	99
89) n-Butylbenzene	13.61	91	1513071	55.007	ug/l	99
90) Hexachloroethane	13.87	117	275480	54.432	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	834516	51.896	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43403	43.282	ug/l	99

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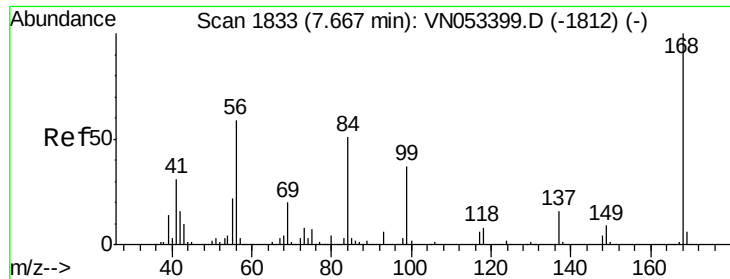
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	342492	48.367	ug/l	99
94) Hexachlorobutadiene	15.01	225	296076	59.023	ug/l	99
95) Naphthalene	15.13	128	460347	38.006	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	221699	43.272	ug/l	98

(#) = 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: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 777731

Ion Ratio Lower Upper

168 100

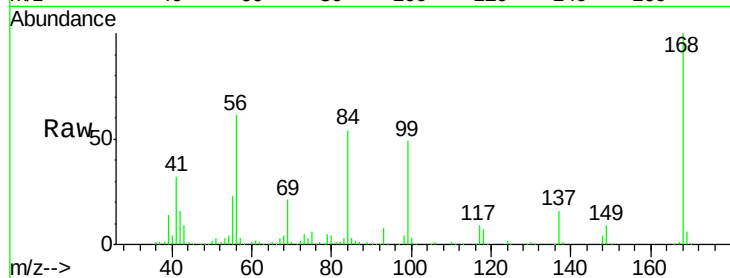
99 48.9 39.1 58.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

300000

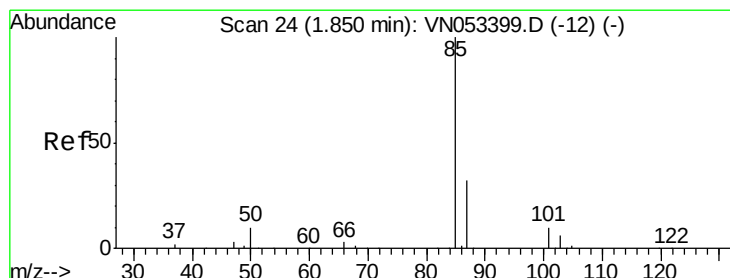
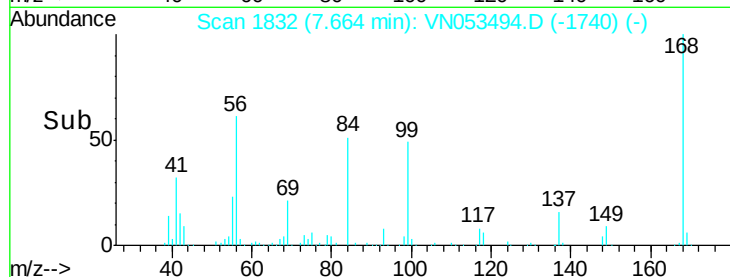
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.283 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053494.D

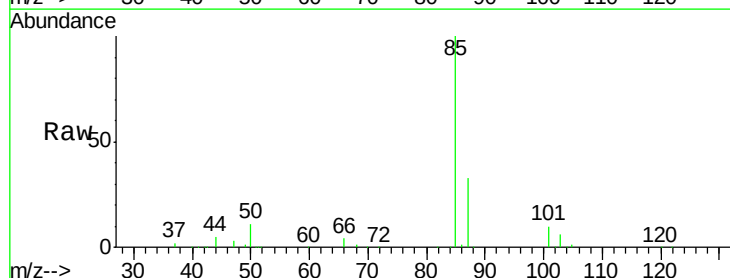
Acq: 21 Jan 2019 9:27

Tgt Ion: 85 Resp: 301912

Ion Ratio Lower Upper

85 100

87 32.5 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

250000

200000

150000

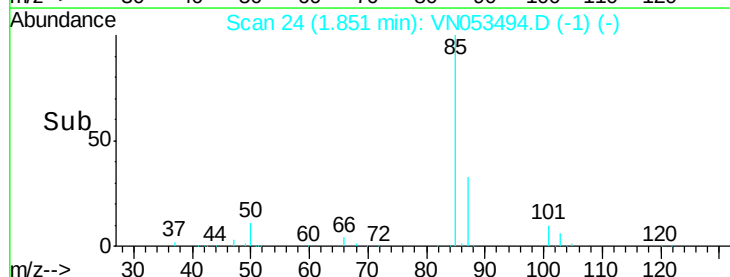
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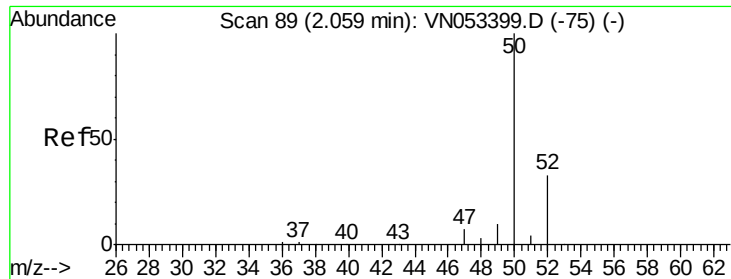
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 44.525 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 398060

Ion Ratio Lower Upper

50 100

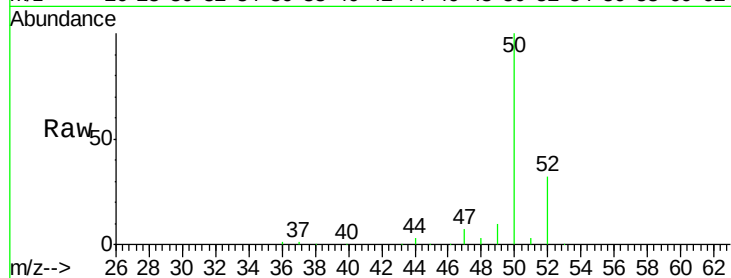
52 32.4 26.6 40.0

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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

250000

200000

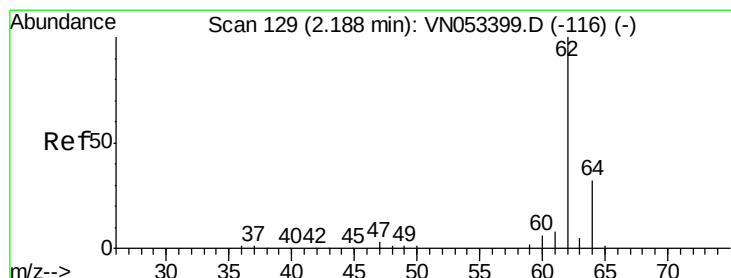
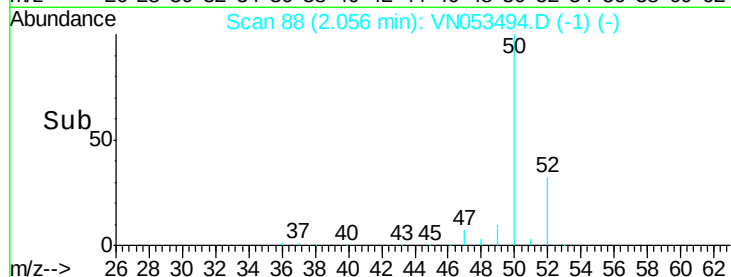
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.525 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053494.D

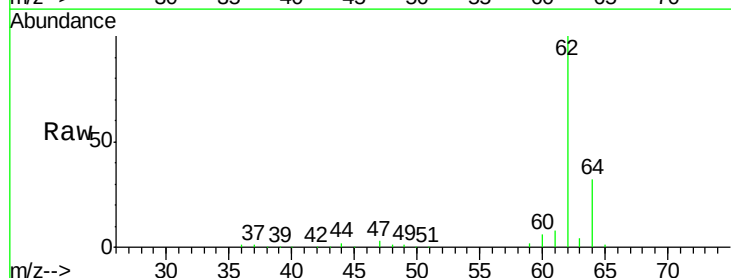
Acq: 21 Jan 2019 9:27

Tgt Ion: 62 Resp: 400947

Ion Ratio Lower Upper

62 100

64 32.1 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

300000

250000

200000

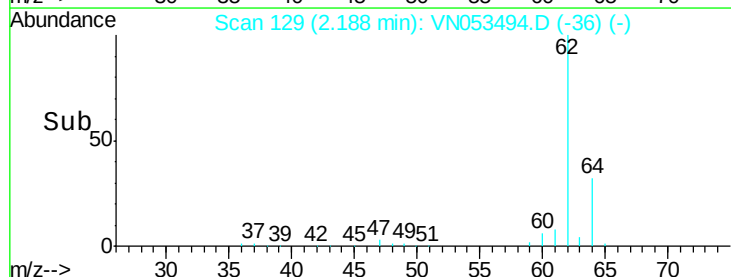
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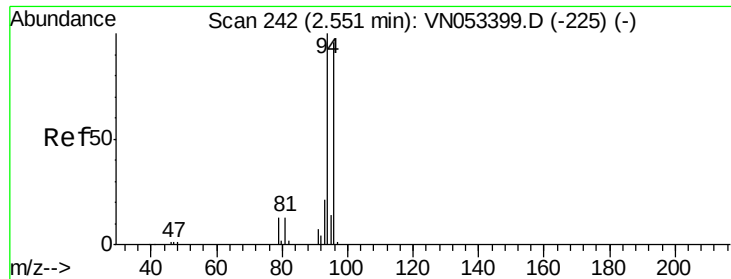
100000

50000

0

Time-->





#5

Bromomethane

Concen: 47.416 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.02 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 280380

Ion Ratio Lower Upper

94 100

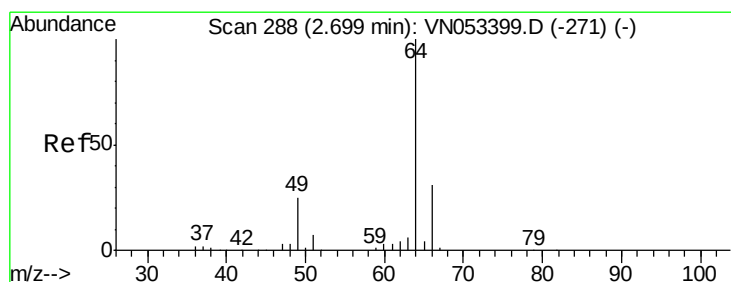
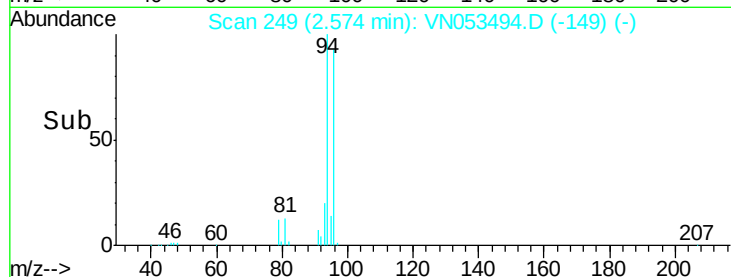
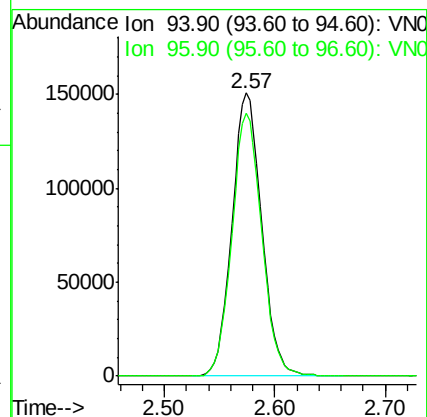
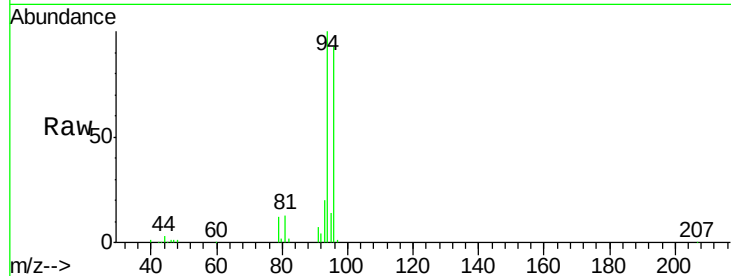
96 92.8 76.8 115.2

Manual Integrations

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#6

Chloroethane

Concen: 47.048 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN053494.D

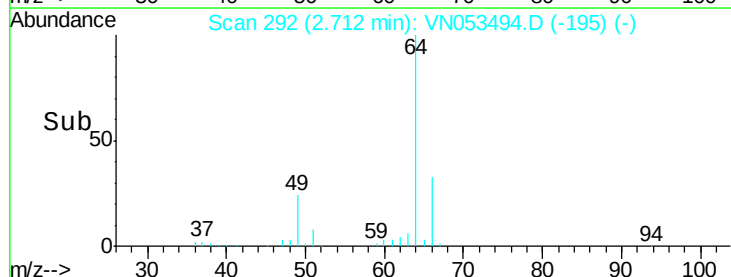
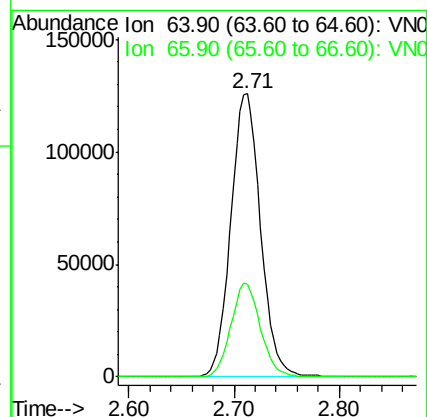
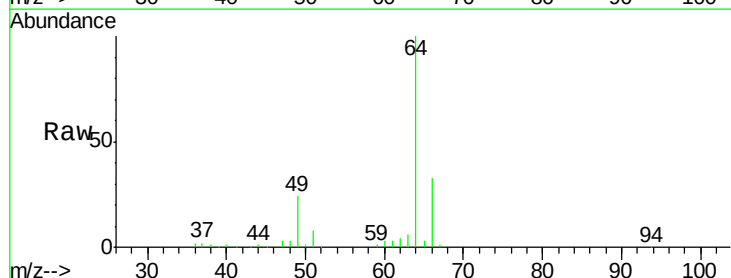
Acq: 21 Jan 2019 9:27

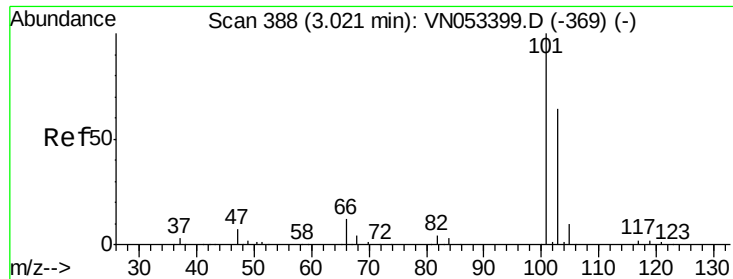
Tgt Ion: 64 Resp: 245136

Ion Ratio Lower Upper

64 100

66 32.9 25.1 37.7





#7

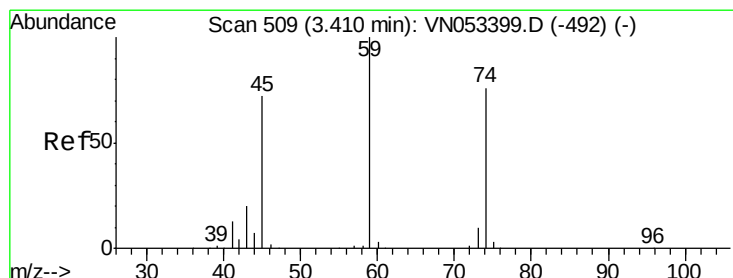
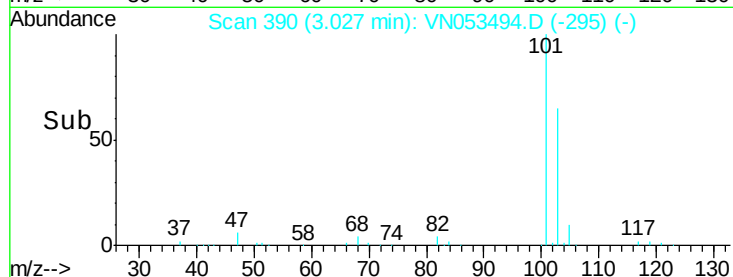
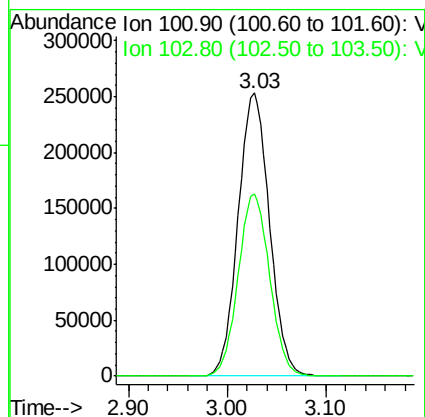
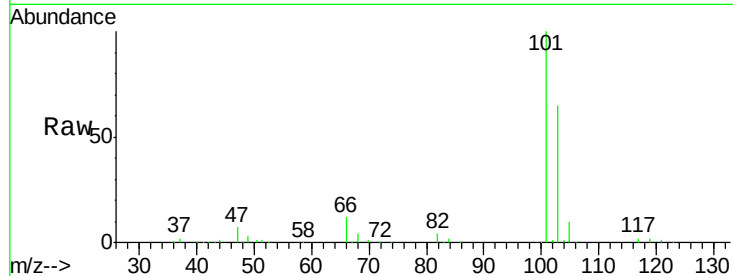
Trichlorofluoromethane
Concen: 49.581 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.01 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.6	77.4

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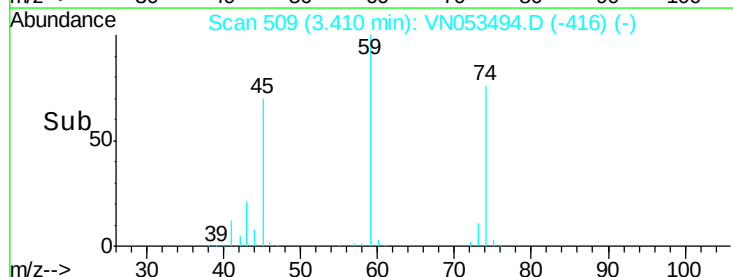
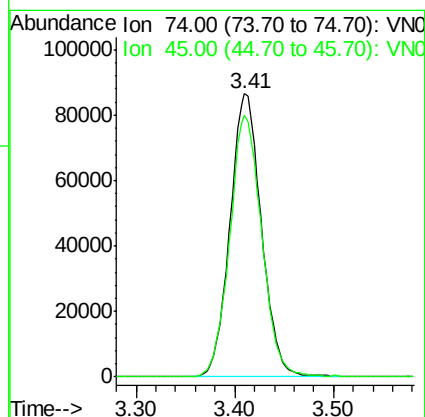
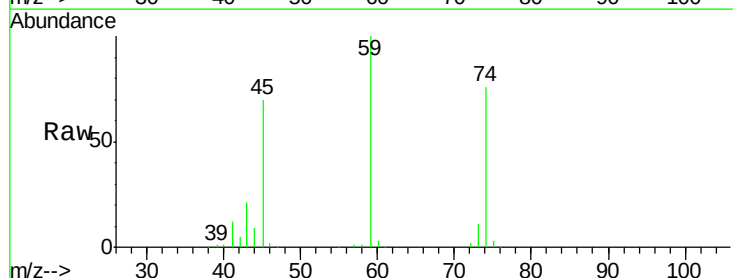
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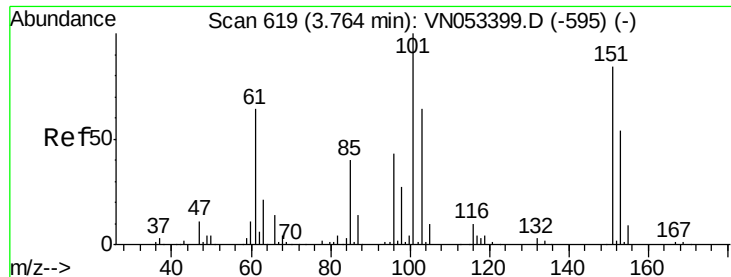


#8

Diethyl Ether
Concen: 45.315 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.698 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

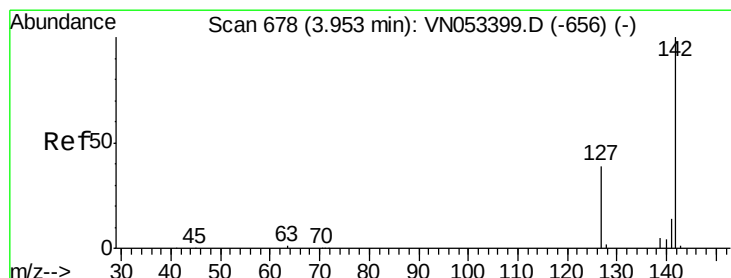
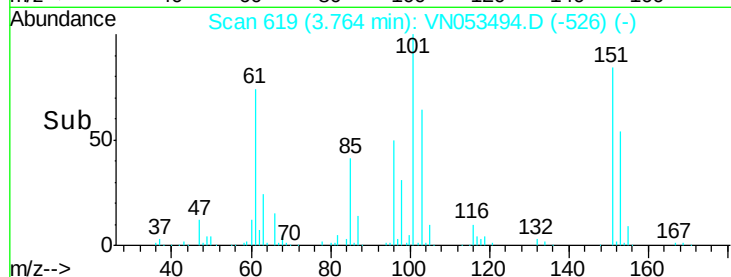
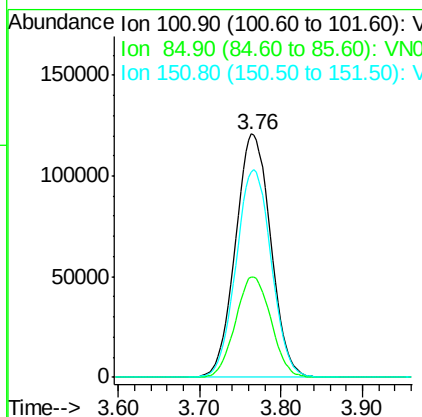
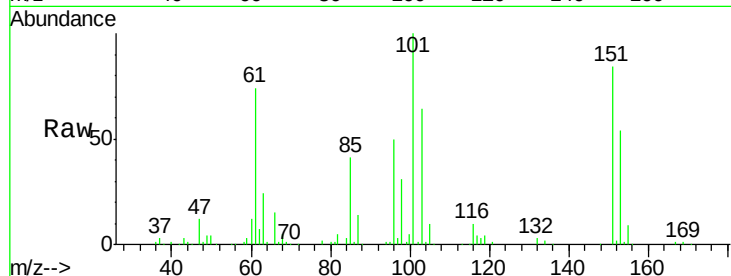
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	361929
Ion Ratio	Lower	Upper	
101	100		
85	41.5	32.8	49.2
151	85.4	66.9	100.3

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#10

Methyl Iodide

Concen: 47.550 ug/l

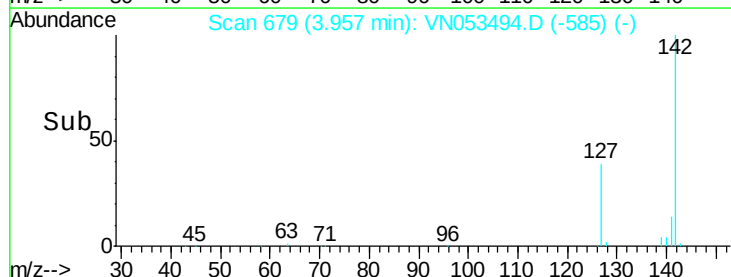
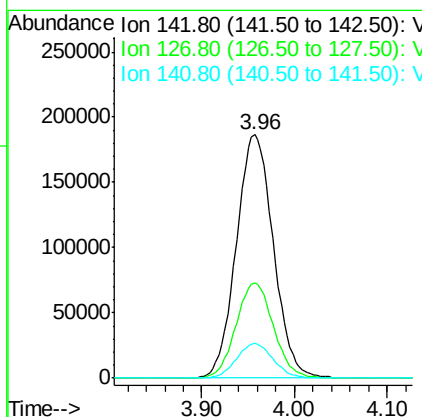
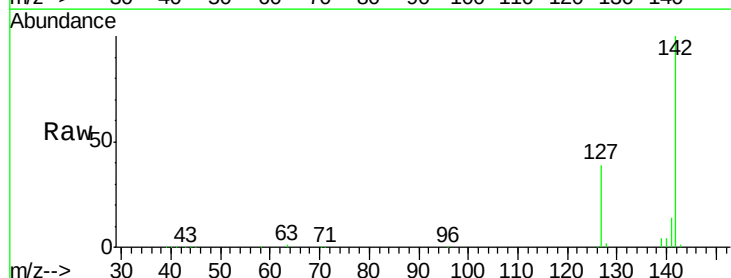
RT: 3.96 min Scan# 679

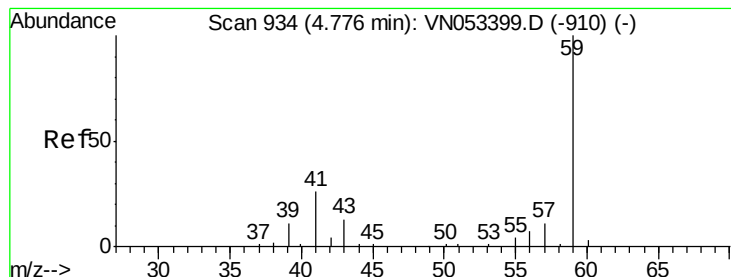
Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Tgt Ion:	142	Resp:	518737
Ion Ratio	Lower	Upper	
142	100		
127	39.4	31.0	46.4
141	14.1	11.1	16.7





#11

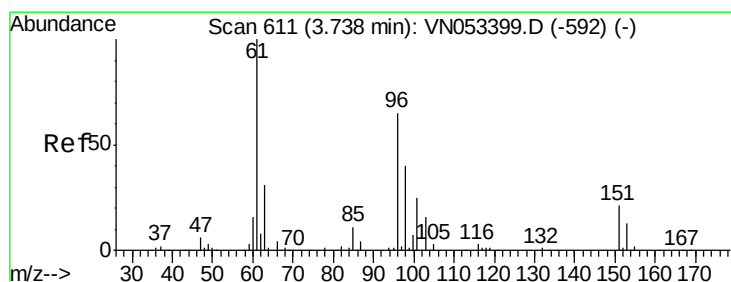
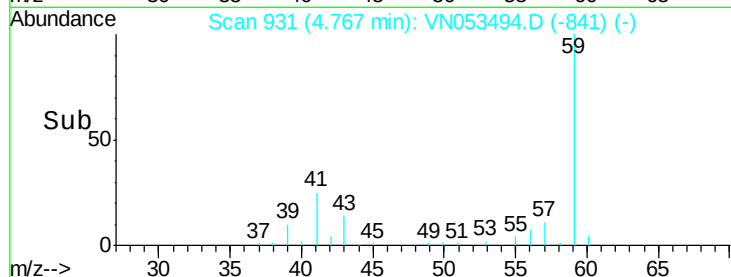
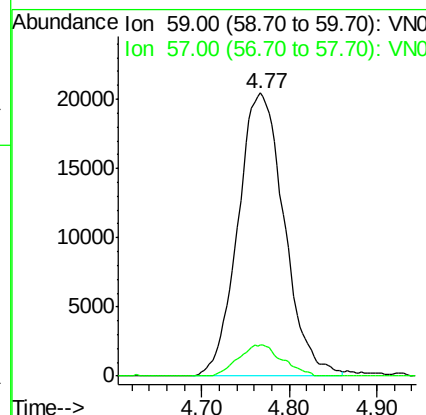
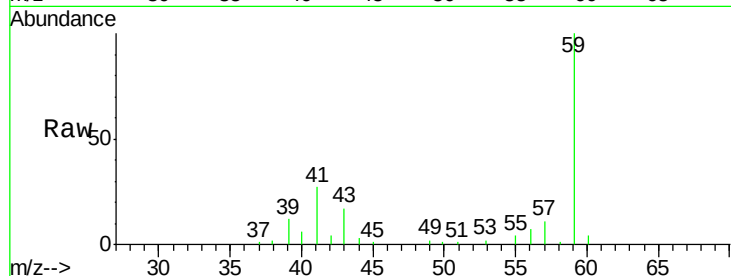
Tert butyl alcohol
 Concen: 199.601 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. -0.01 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	75079
Ion Ratio	100	Lower	Upper
57	10.4	8.2	12.4

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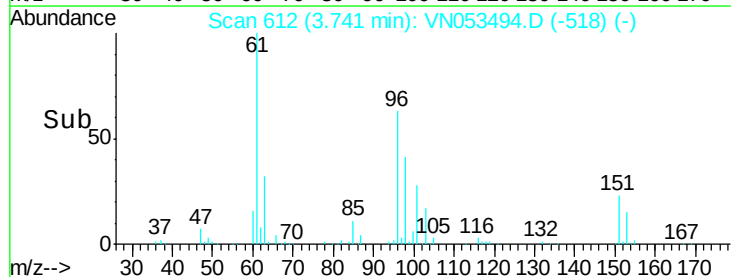
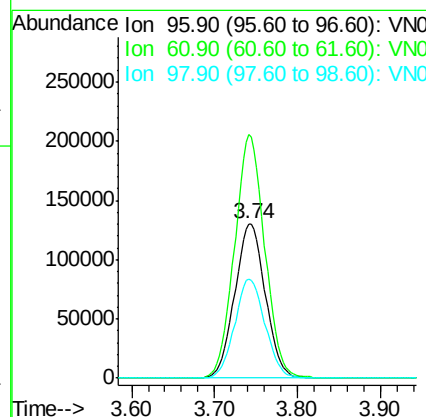
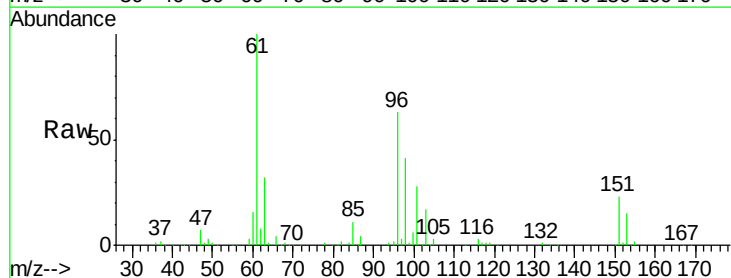
MMDadoda
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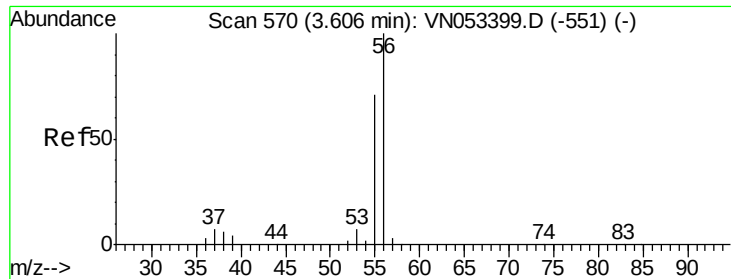


#12

1,1-Dichloroethene
 Concen: 48.312 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Tgt Ion	96	Resp	334528
Ion Ratio	100	Lower	Upper
61	157.8	122.9	184.3
98	64.3	49.4	74.0





#13

Acrolein

Concen: 198.923 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 142255

Ion Ratio Lower Upper

56 100

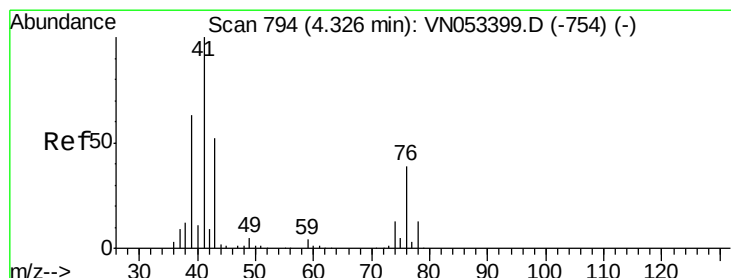
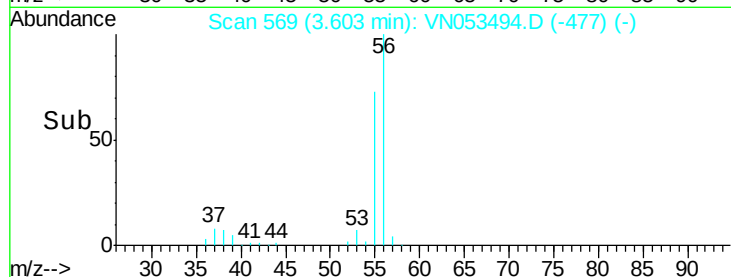
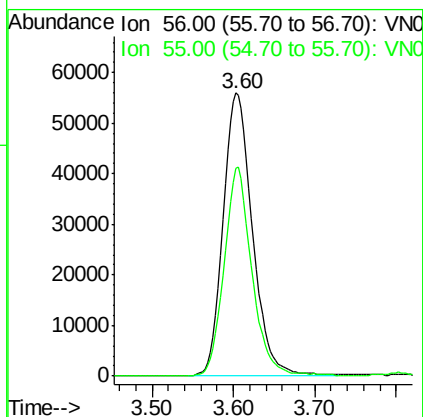
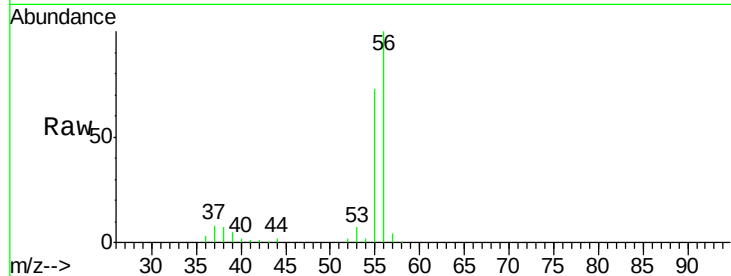
55 69.6 57.4 86.0

Manual Integrations

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#14

Allyl chloride

Concen: 48.840 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

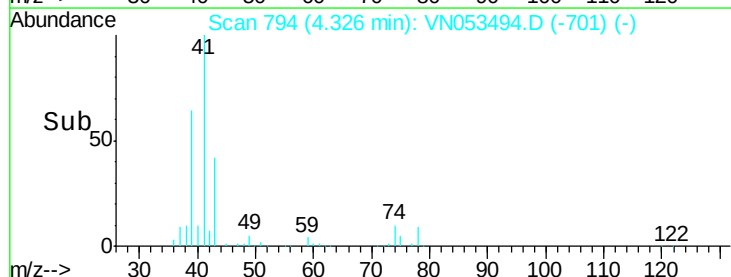
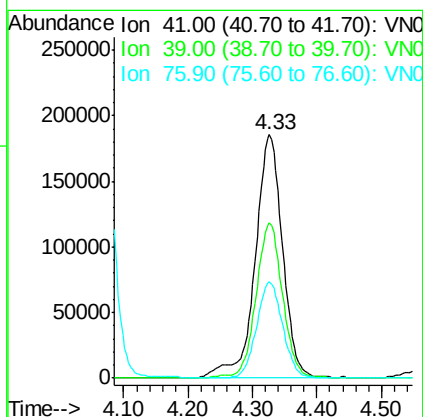
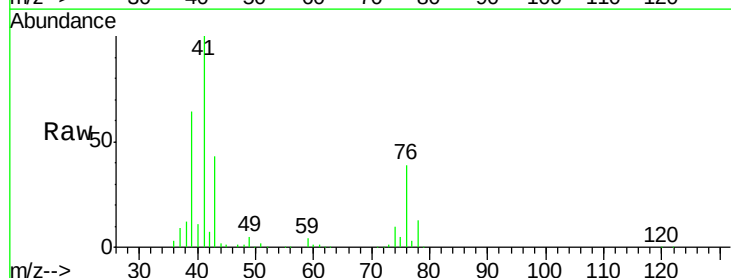
Tgt Ion: 41 Resp: 549315

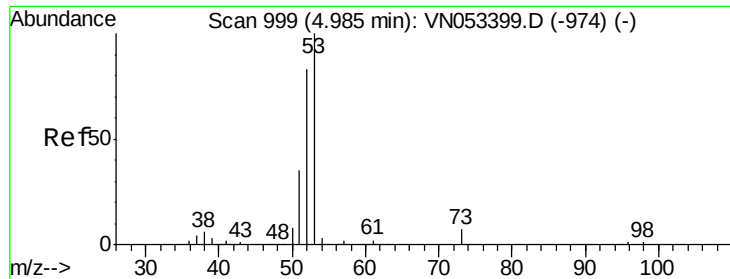
Ion Ratio Lower Upper

41 100

39 62.0 48.9 73.3

76 37.1 29.4 44.2





#15

Acrylonitrile

Concen: 209.485 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

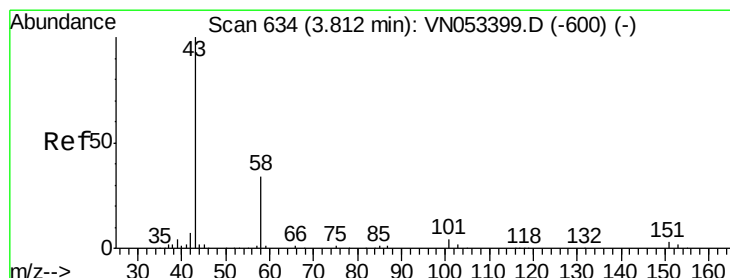
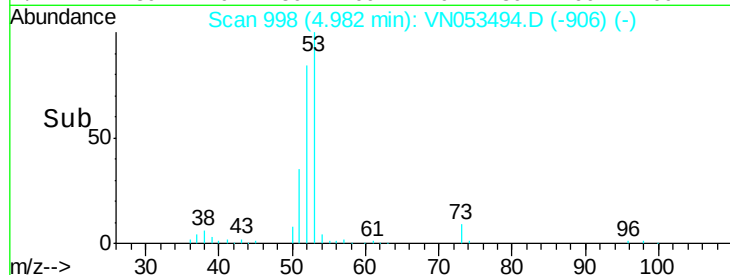
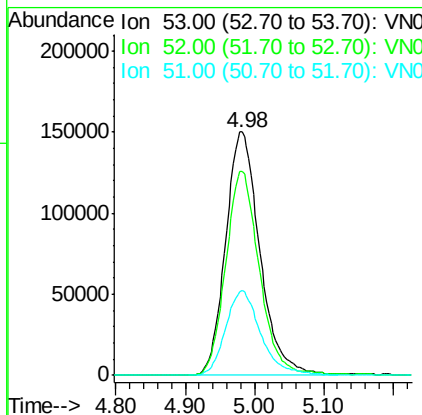
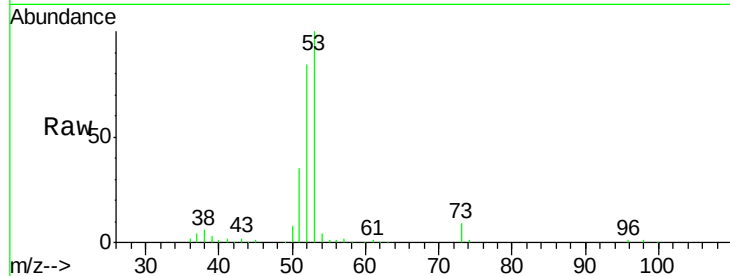
ClientSampleId :

VSTDCCC050

Tot Ion	53	Resp	518570
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.0	99.0
51	35.7	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 248.751 ug/l

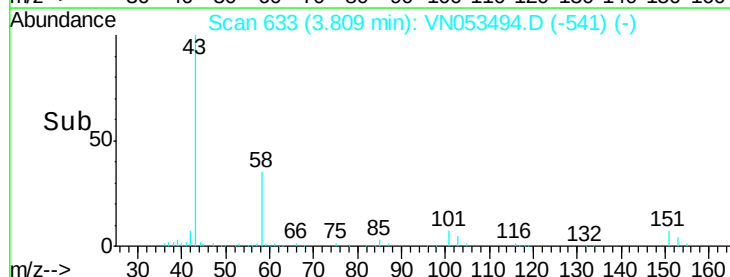
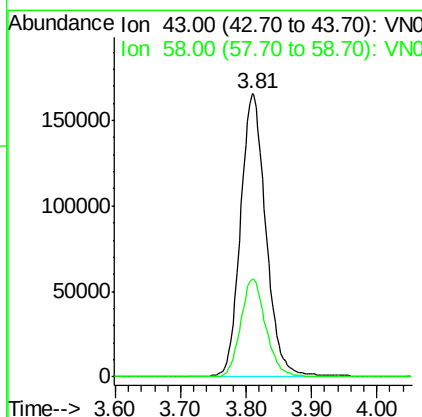
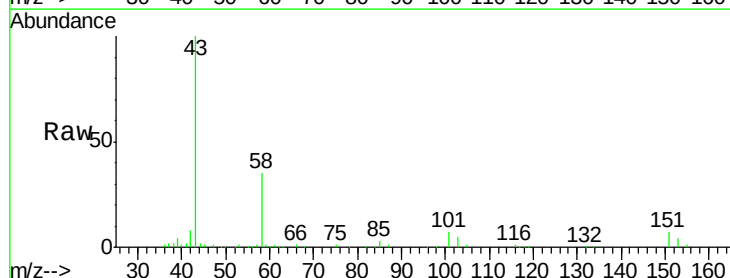
RT: 3.81 min Scan# 633

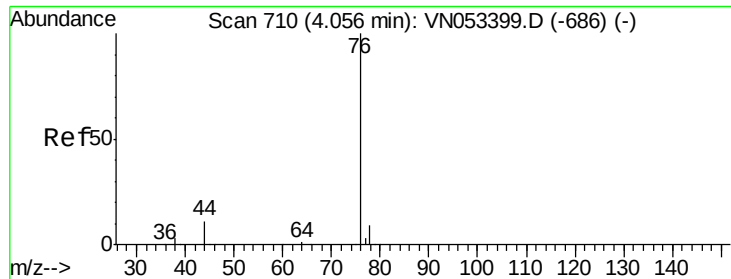
Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Tgt Ion	43	Resp	448632
Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.1	40.7





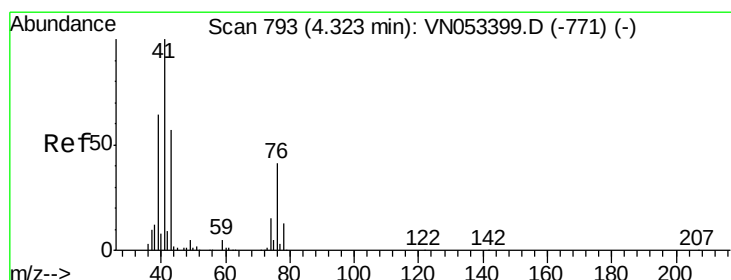
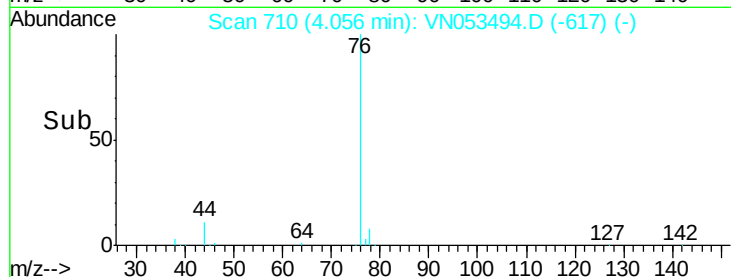
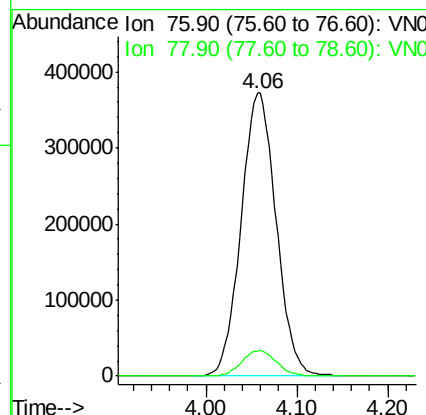
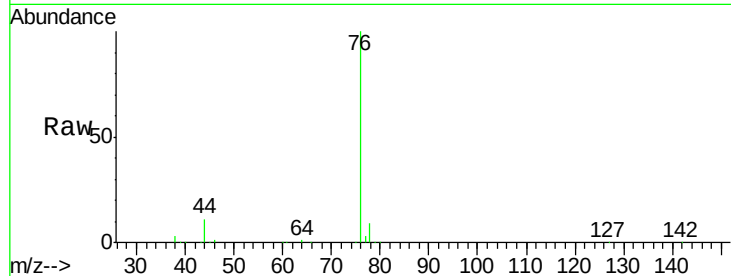
#17
Carbon Disulfide
Concen: 47.559 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

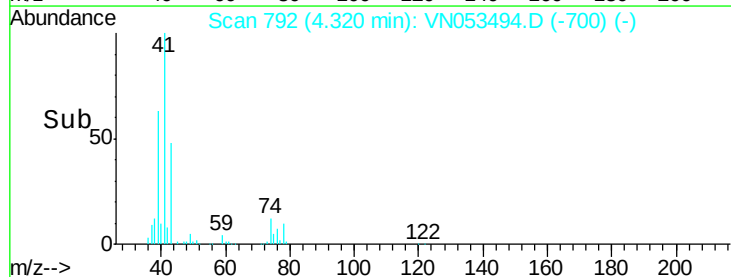
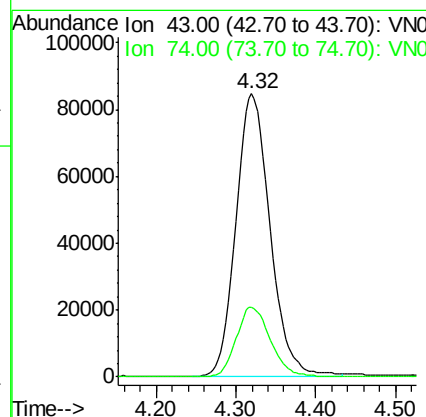
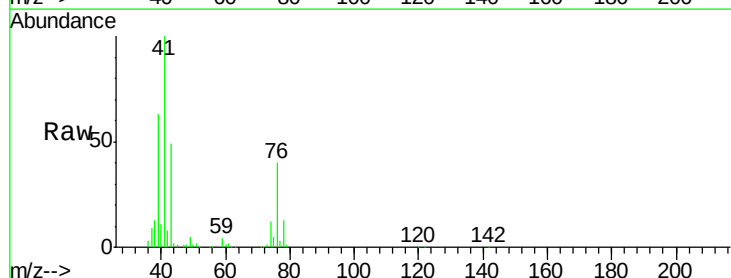
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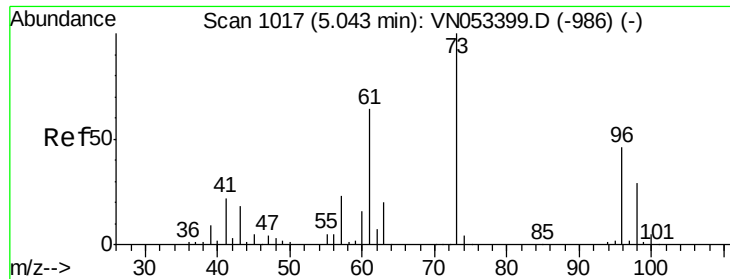
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#18
Methyl Acetate
Concen: 40.120 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.4	29.2





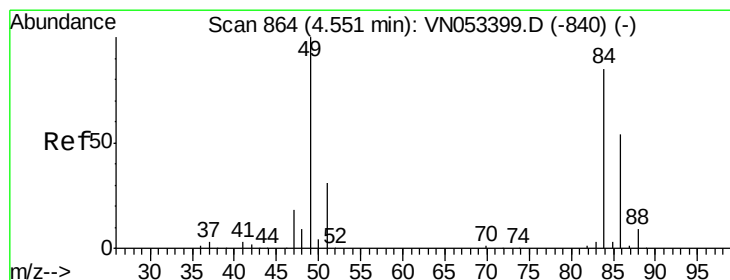
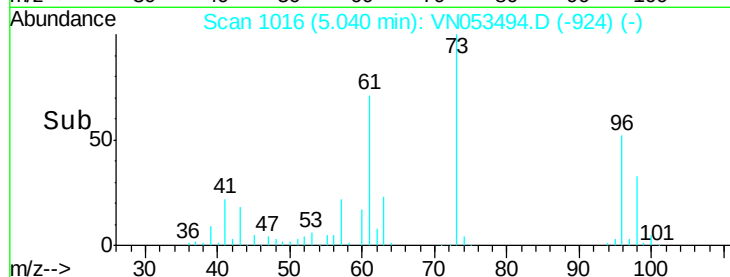
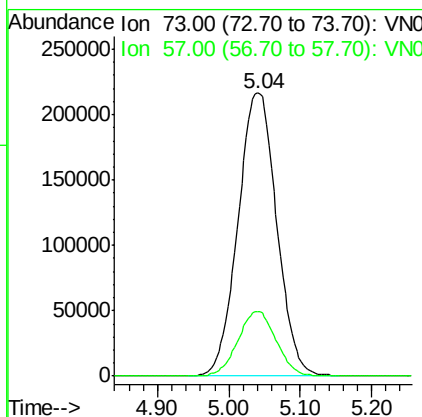
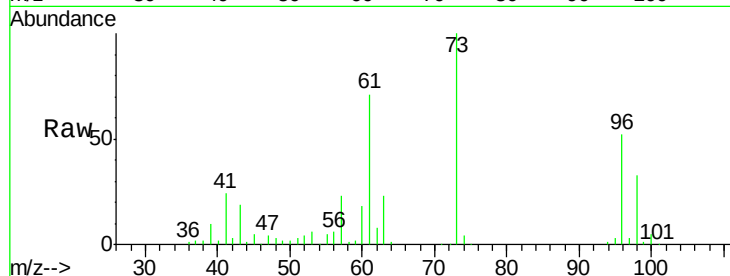
#19
Methyl tert-butyl Ether
Concen: 44.366 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 816245
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5

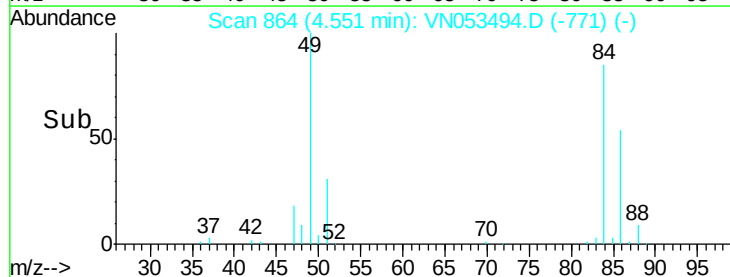
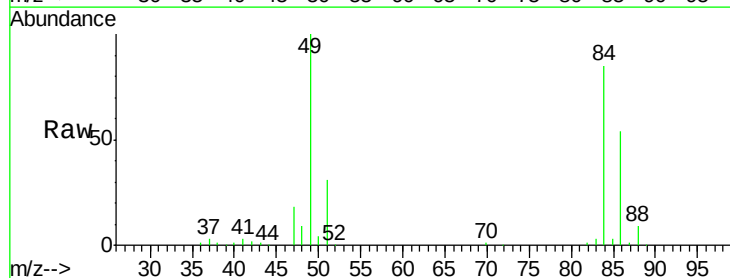
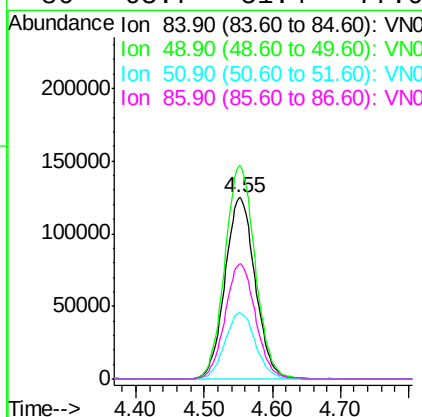
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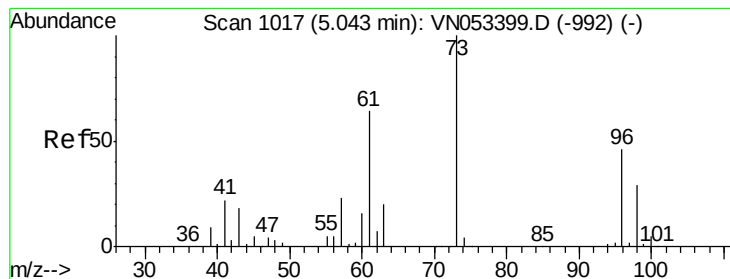
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#20
Methylene Chloride
Concen: 46.694 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion: 84 Resp: 384486
Ion Ratio Lower Upper
84 100
49 117.4 94.3 141.5
51 36.5 29.4 44.2
86 63.7 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 49.059 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 363172

Ion Ratio Lower Upper

96 100

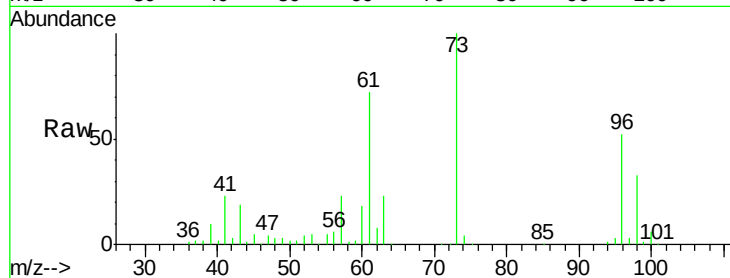
61 138.3 110.1 165.1

98 63.9 50.0 75.0

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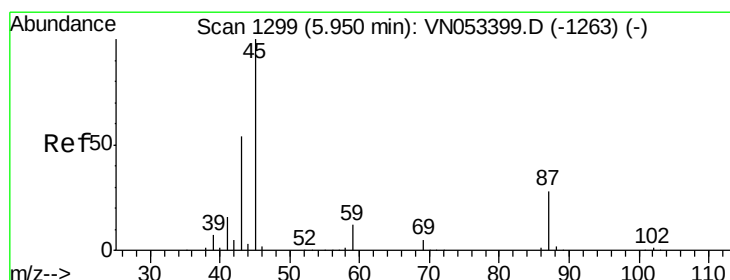
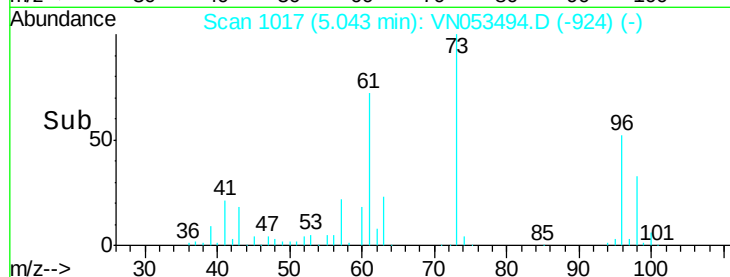
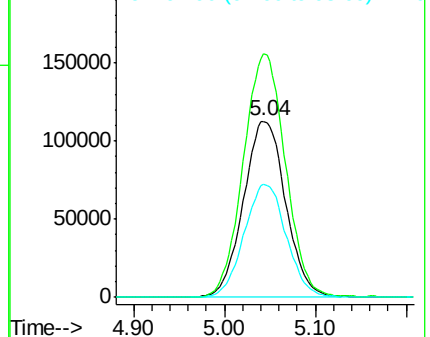


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 48.875 ug/l

RT: 5.94 min Scan# 1297

Delta R.T. -0.01 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Tgt Ion: 45 Resp: 1147565

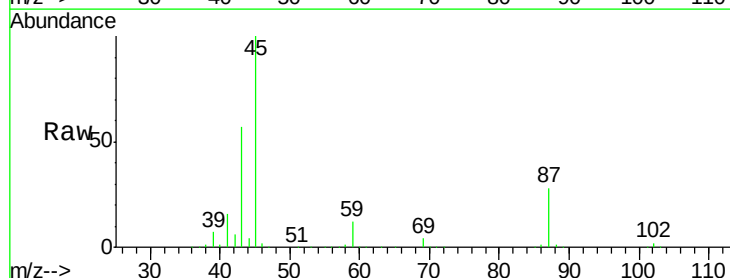
Ion Ratio Lower Upper

45 100

43 56.4 44.2 66.4

87 27.6 22.7 34.1

59 11.5 9.4 14.2



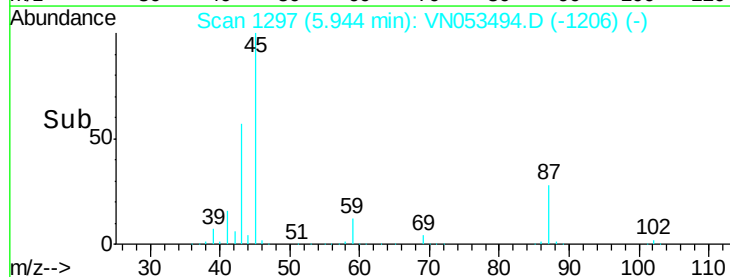
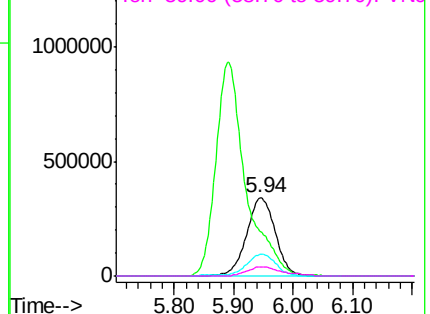
Abundance

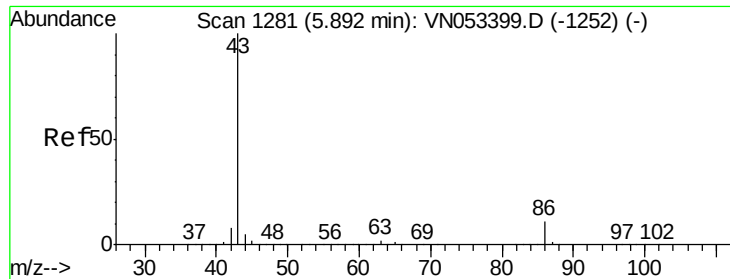
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





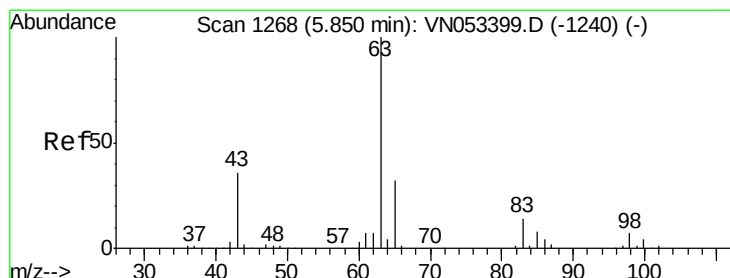
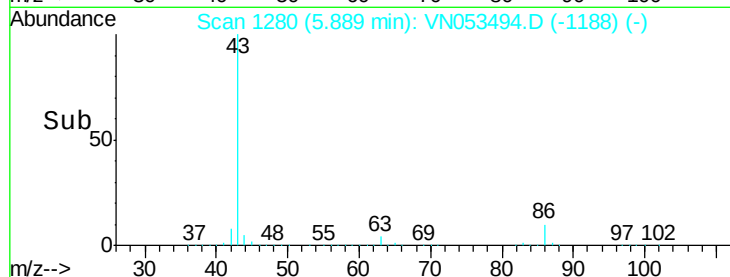
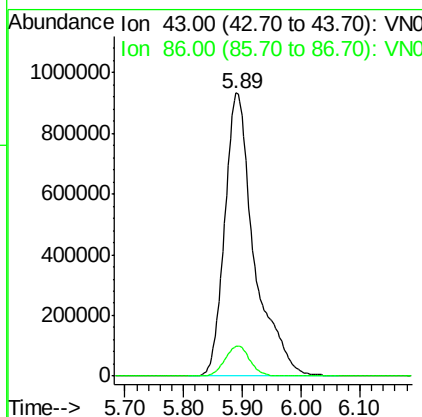
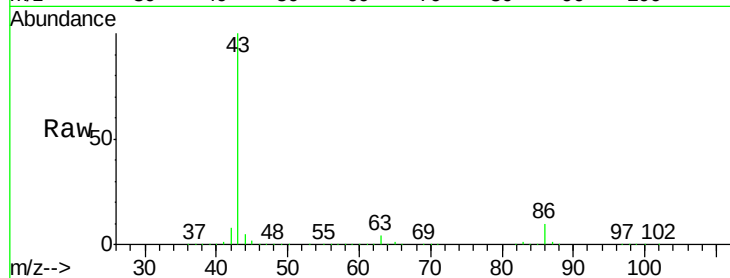
#23
 Vinyl Acetate
 Concen: 225.177 ug/l
 RT: 5.89 min Scan# 1280
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 43 Resp: 3250029
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.4 12.6

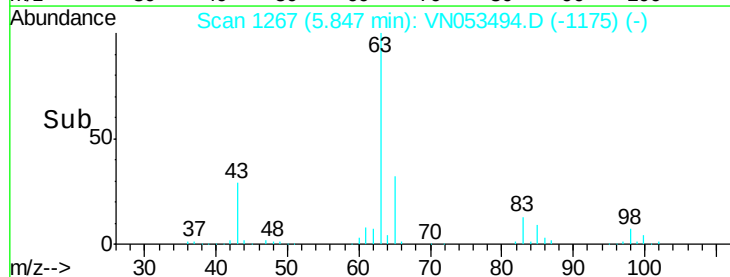
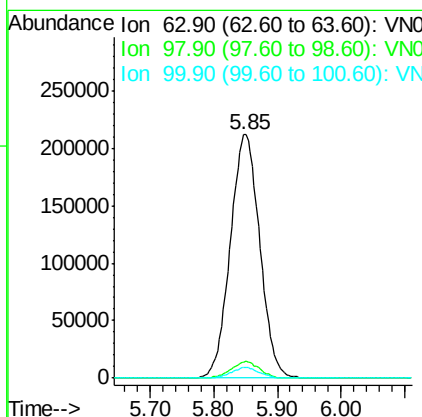
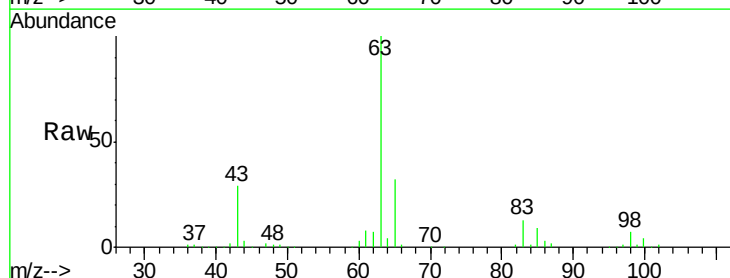
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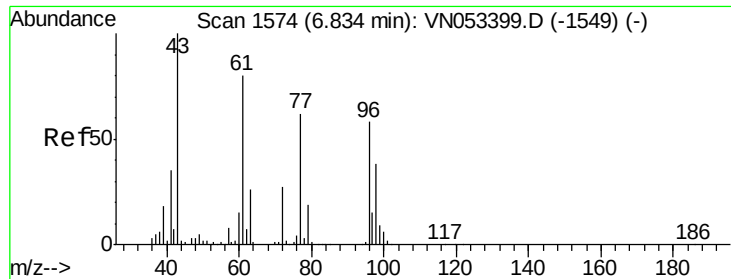
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 49.108 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Tgt Ion: 63 Resp: 681635
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.9
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 213.882 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 594437

Ion Ratio Lower Upper

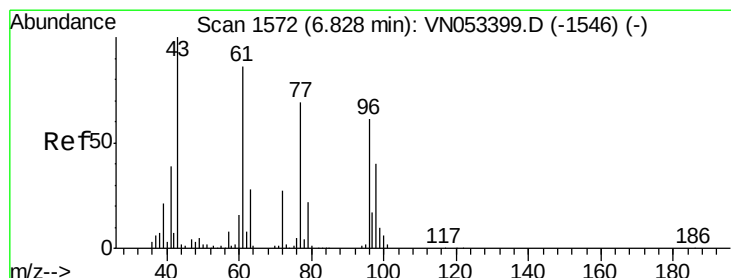
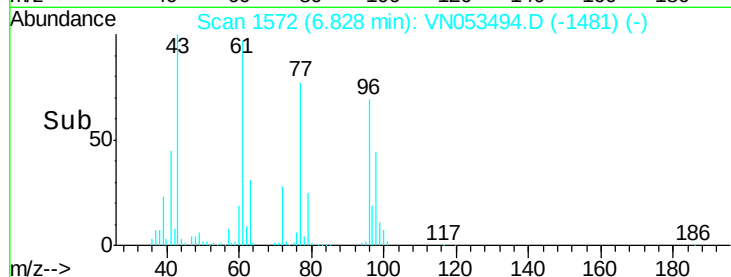
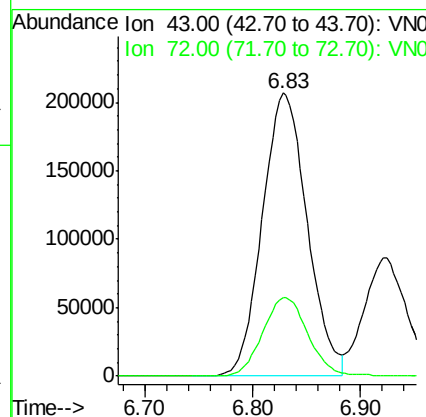
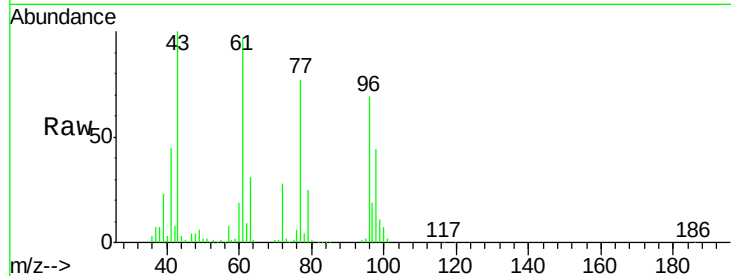
43 100

72 27.7 22.0 33.0

Manual Integrations
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MMDadoda

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#26

2,2-Dichloropropane

Concen: 49.517 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053494.D

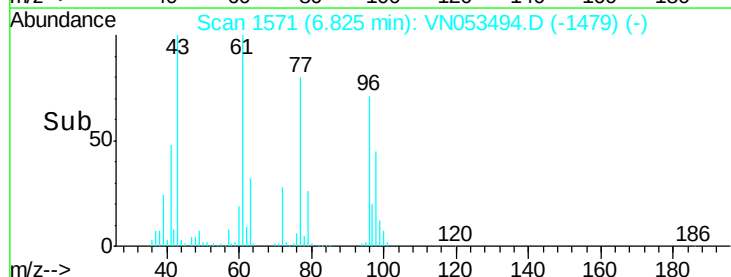
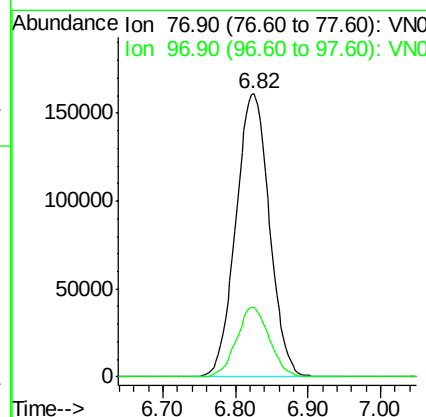
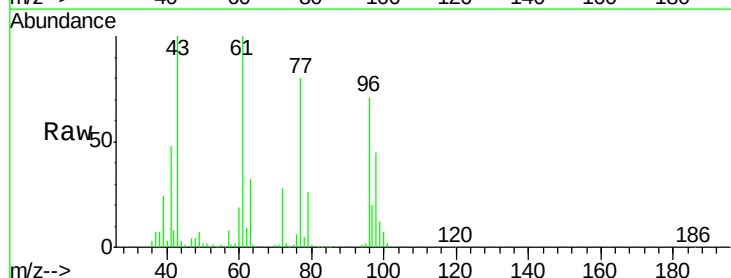
Acq: 21 Jan 2019 9:27

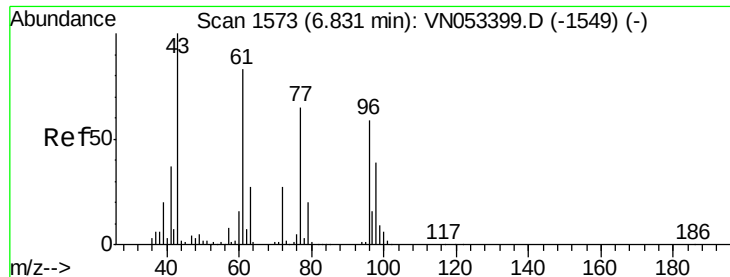
Tgt Ion: 77 Resp: 518931

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.389 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

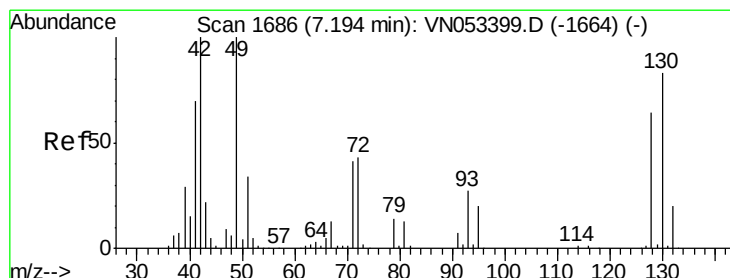
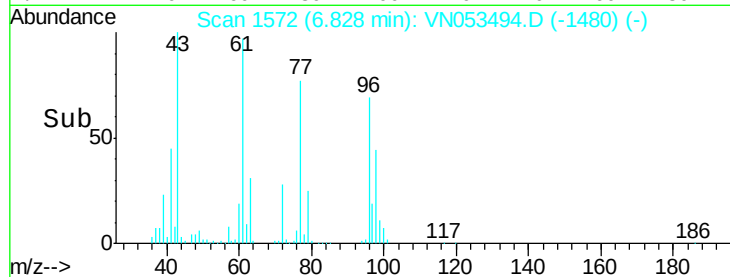
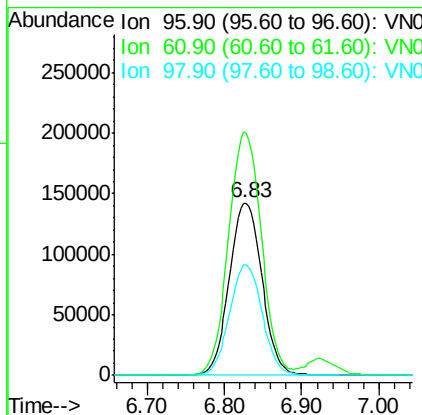
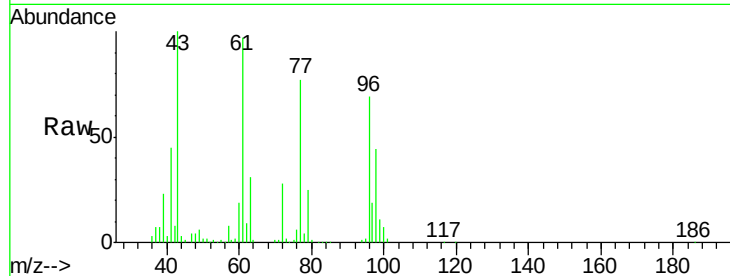
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	418093
Ion	Ratio	Lower	Upper
96	100		
61	142.1	0.0	283.8
98	64.2	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 47.530 ug/l

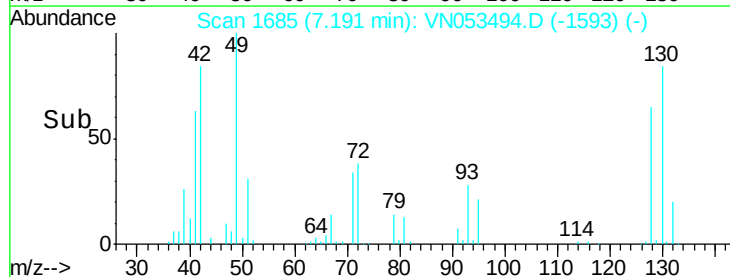
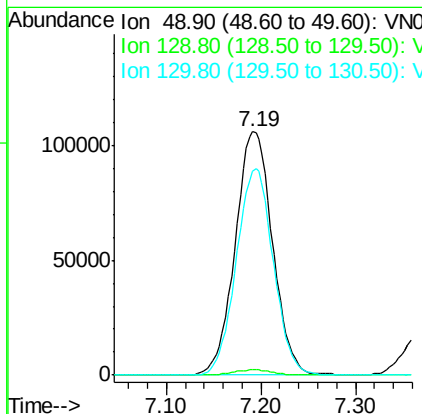
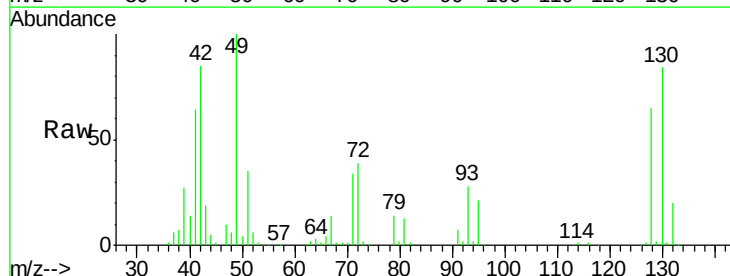
RT: 7.19 min Scan# 1685

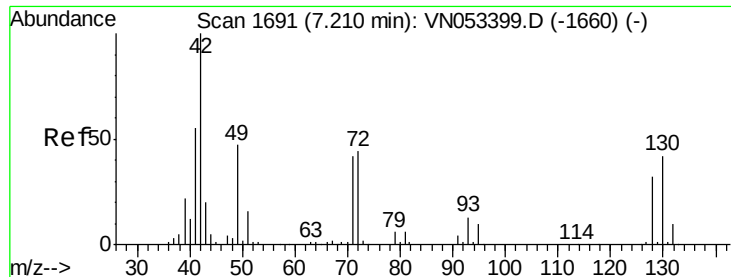
Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Tgt Ion:	49	Resp:	290639
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	84.2	66.3	99.5





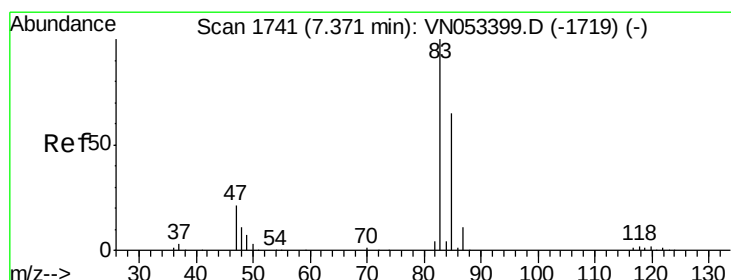
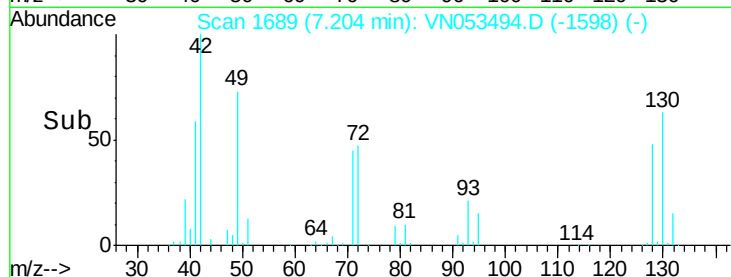
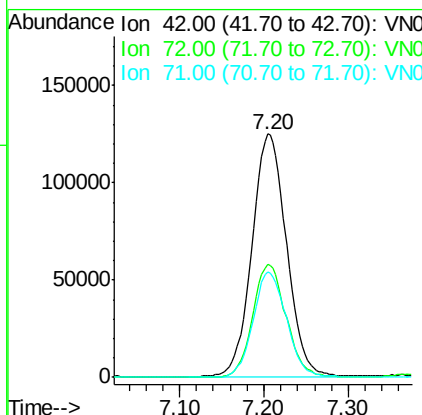
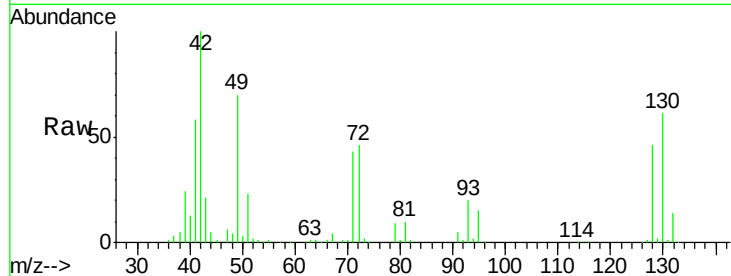
#29
Tetrahydrofuran
Concen: 196.554 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.2	52.8
71	42.0	33.0	49.4

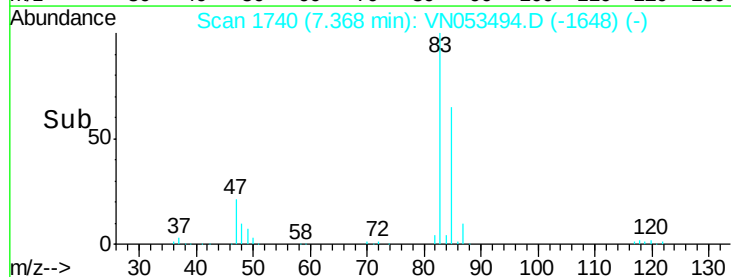
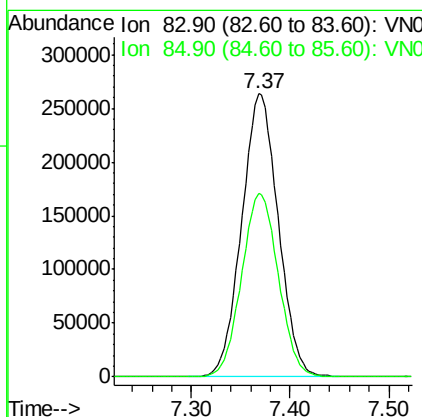
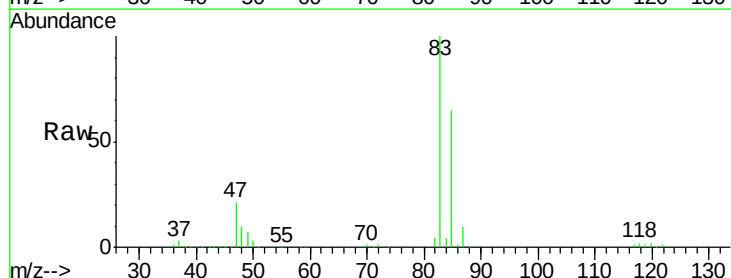
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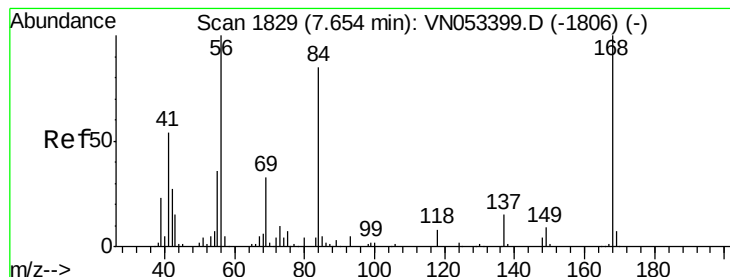
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#30
Chloroform
Concen: 49.980 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.2	78.2





#31

Cyclohexane

Concen: 47.376 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 640118

Ion Ratio Lower Upper

56 100

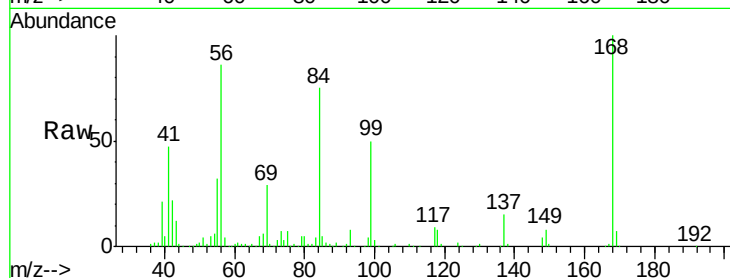
69 33.2 26.4 39.6

84 86.1 67.9 101.9

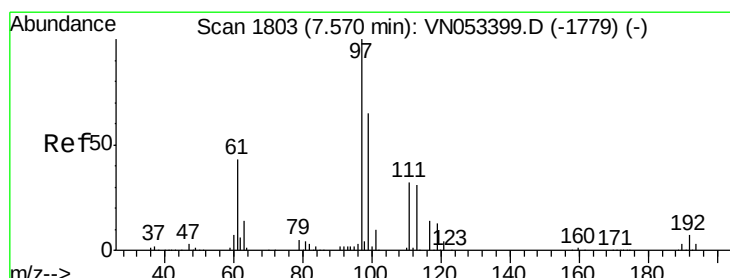
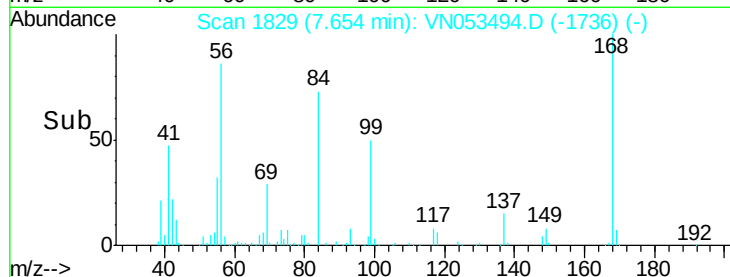
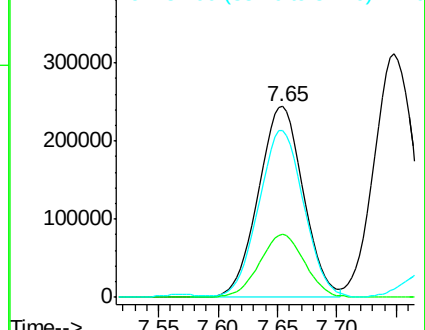
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 49.388 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

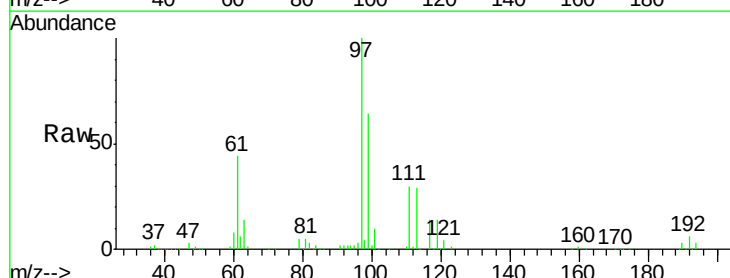
Tgt Ion: 97 Resp: 566581

Ion Ratio Lower Upper

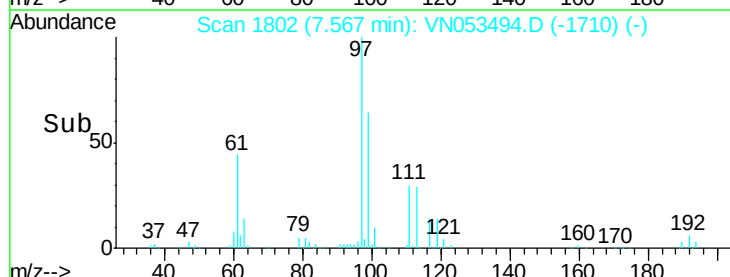
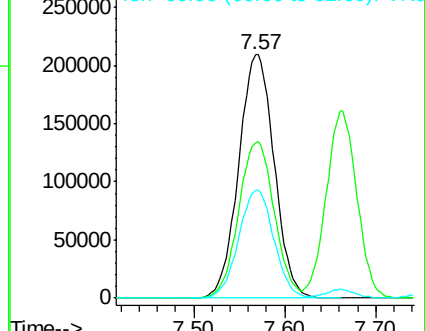
97 100

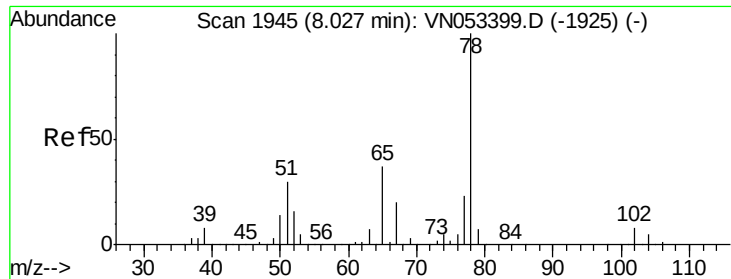
99 64.6 52.0 78.0

61 44.0 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





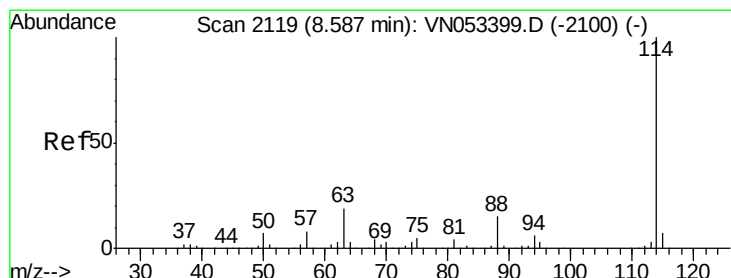
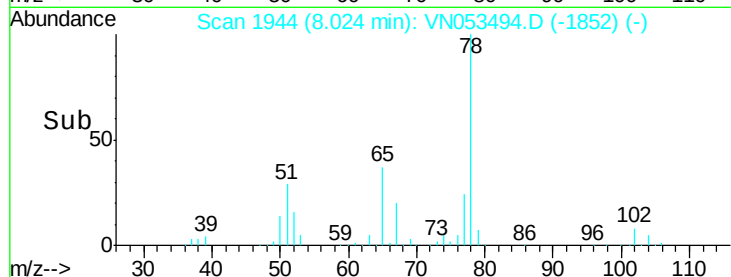
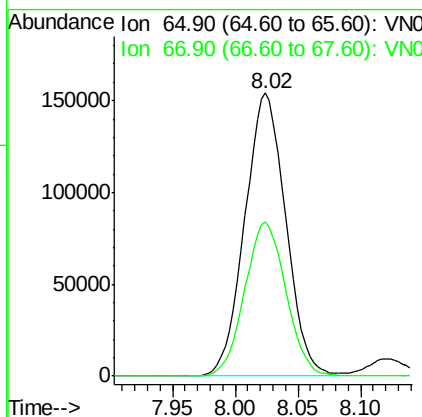
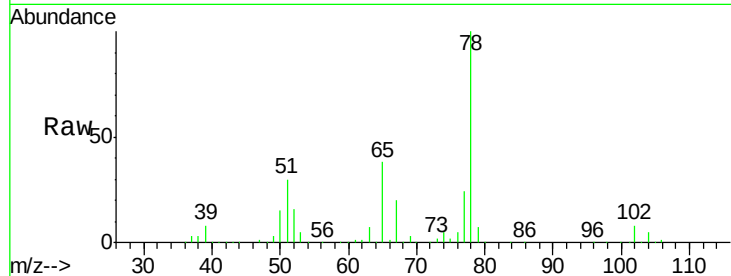
#33
 1,2-Dichloroethane-d4
 Concen: 49.388 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 350870
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 111.2

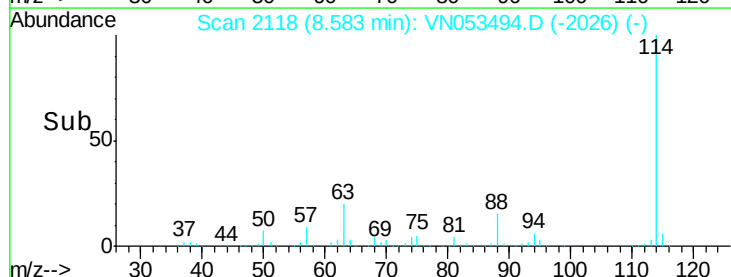
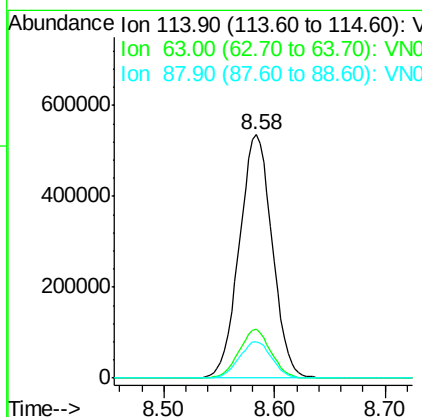
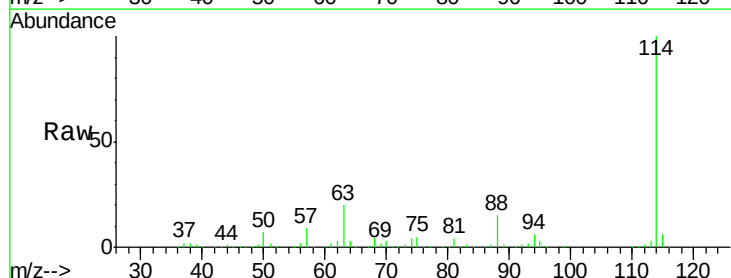
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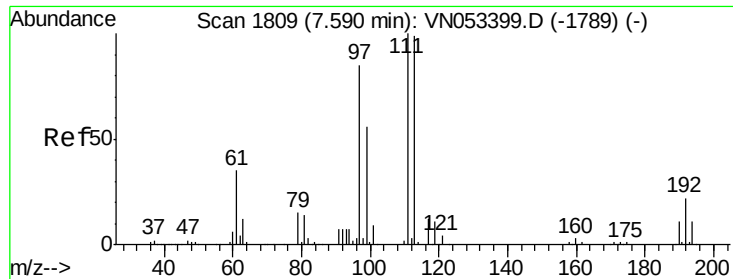
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Tgt Ion: 114 Resp: 1105872
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.6
 88 15.1 0.0 30.4





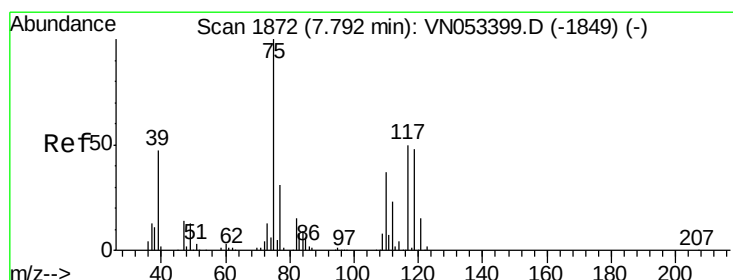
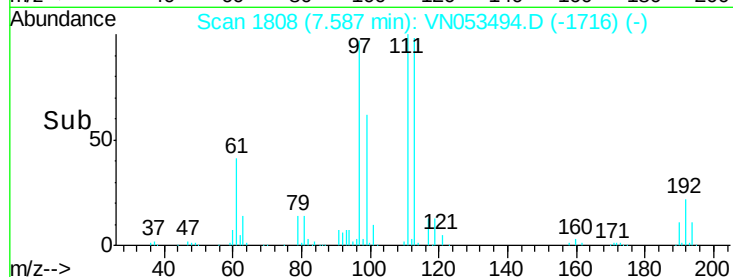
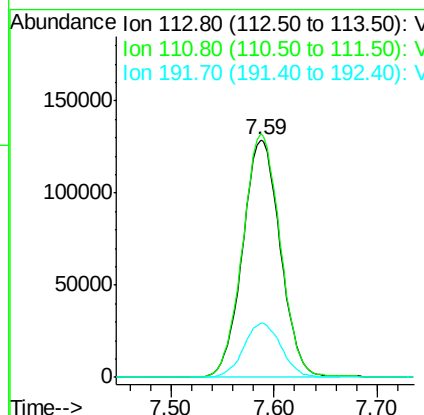
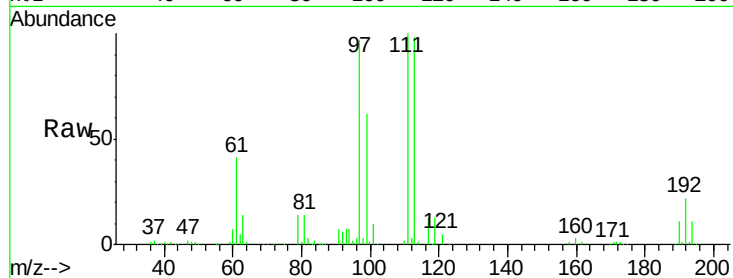
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	327050		
111	102.1	81.1	121.7	
192	22.8	18.2	27.2	

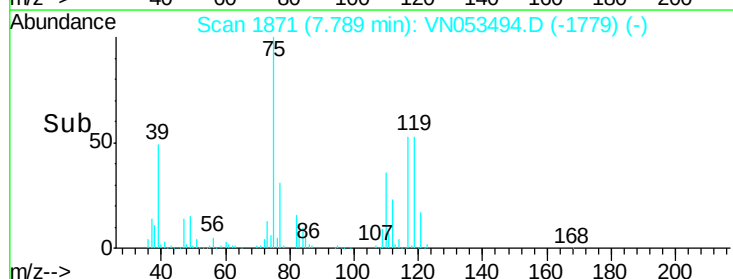
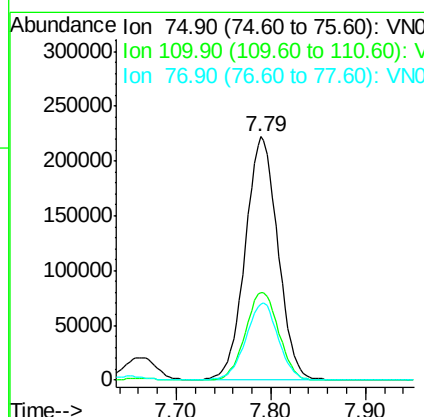
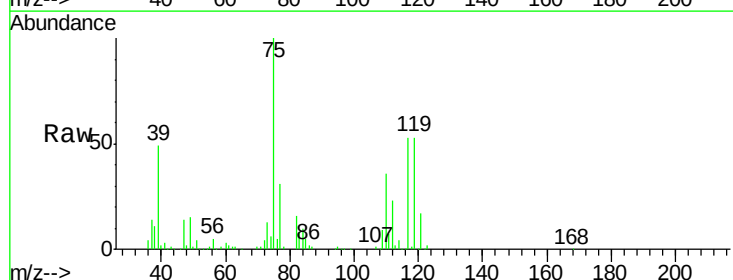
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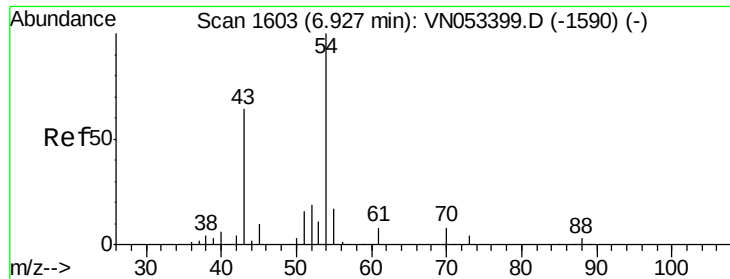
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#36
 1,1-Dichloropropene
 Concen: 52.435 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	528091		
110	36.9	18.1	54.3	
77	32.0	25.1	37.7	





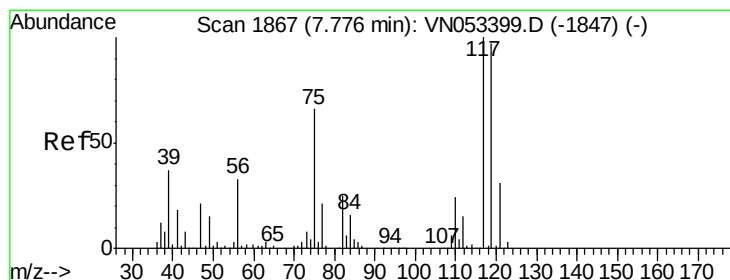
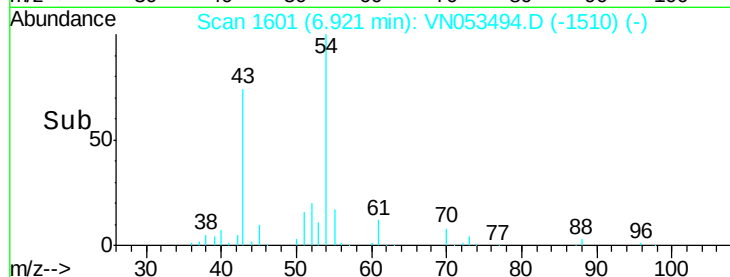
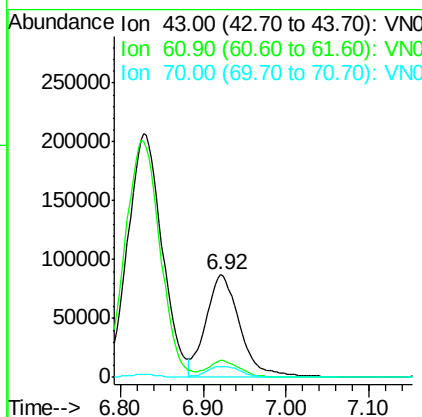
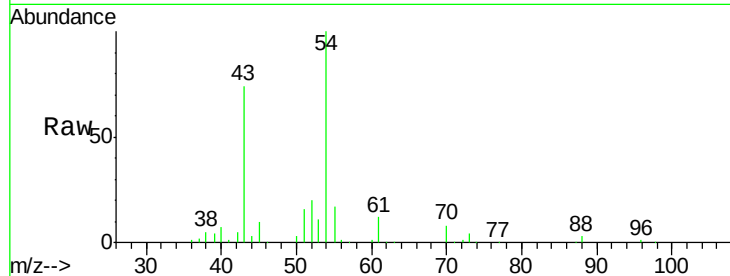
#37
Ethyl Acetate
Concen: 42.482 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.8	17.6
70	11.1	8.6	12.8

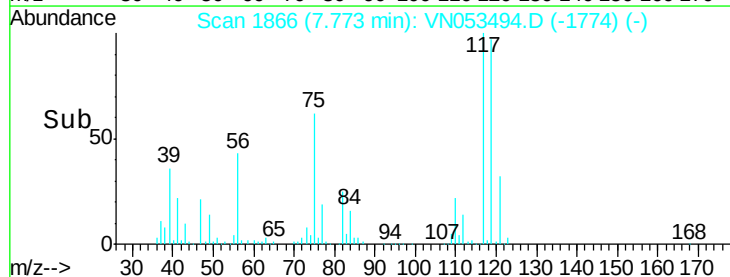
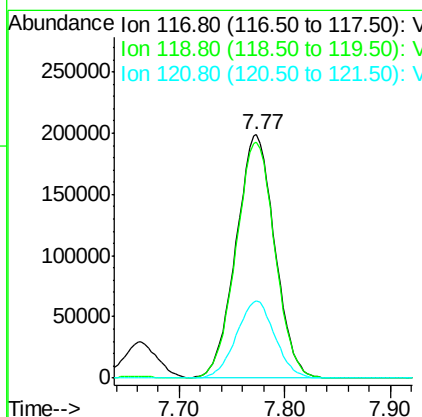
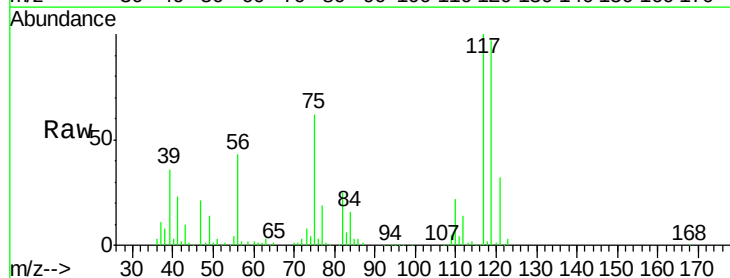
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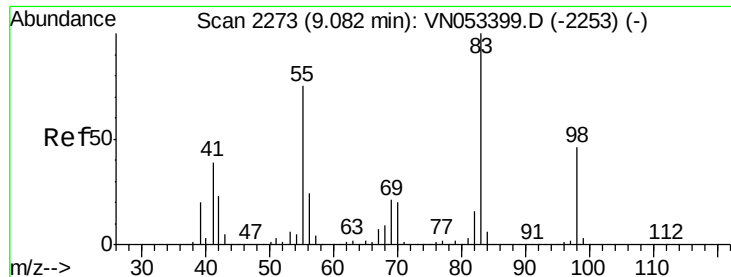
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#38
Carbon Tetrachloride
Concen: 52.966 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.2	115.8
121	31.7	24.6	37.0





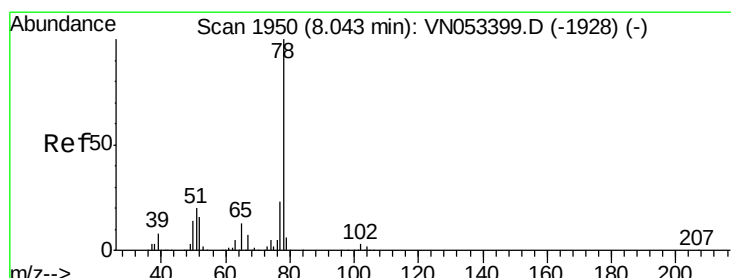
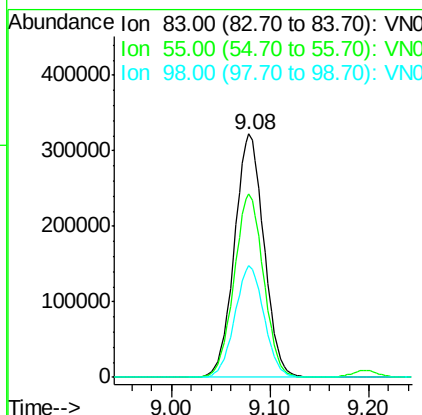
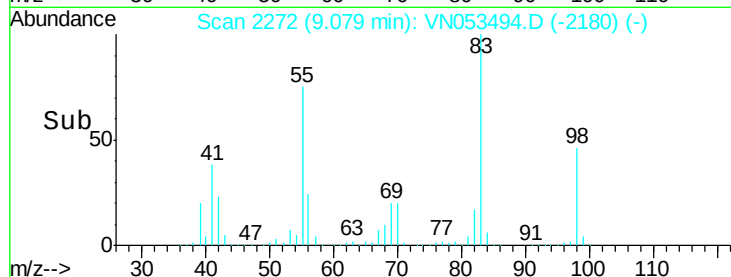
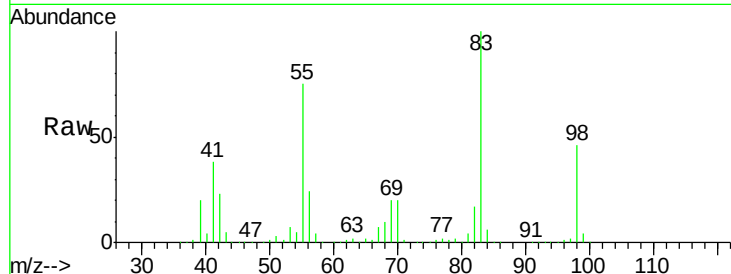
#39
Methylvlcyclohexane
Concen: 53.667 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	668047
Ion Ratio	100	Lower	Upper
83	100		
55	75.2	60.1	90.1
98	45.7	36.6	55.0

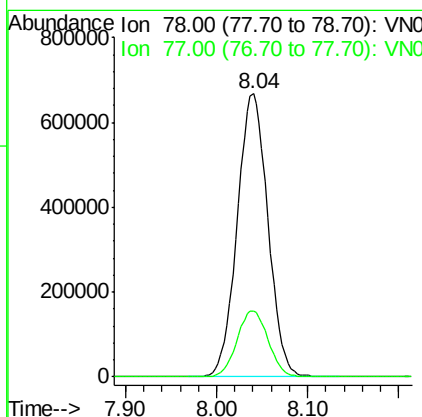
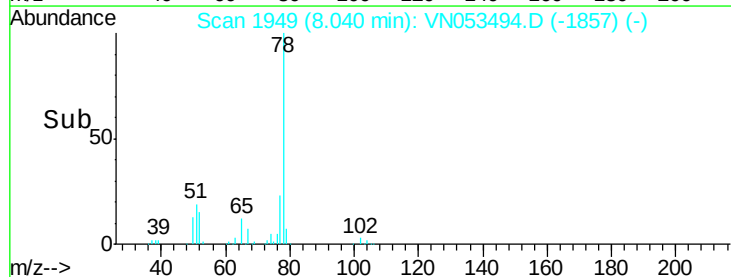
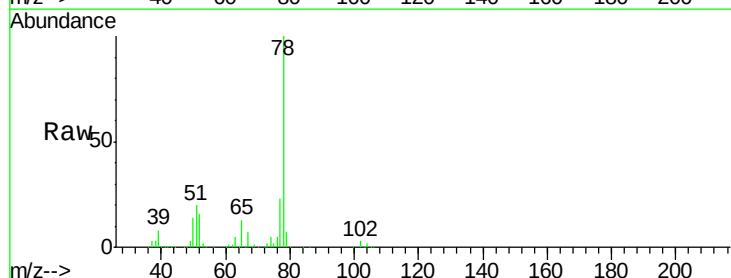
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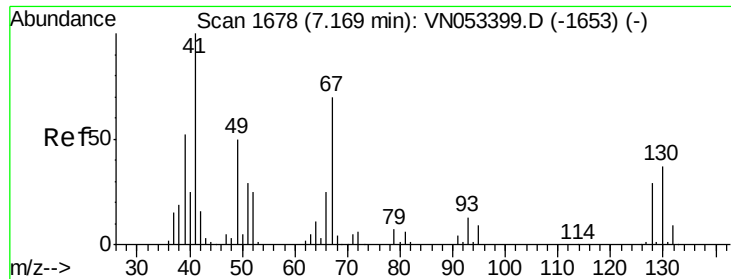
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#40
Benzene
Concen: 51.185 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion	78	Resp	1566511
Ion Ratio	100	Lower	Upper
78	100		
77	23.4	18.8	28.2





#41

Methacrylonitrile

Concen: 45.896 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

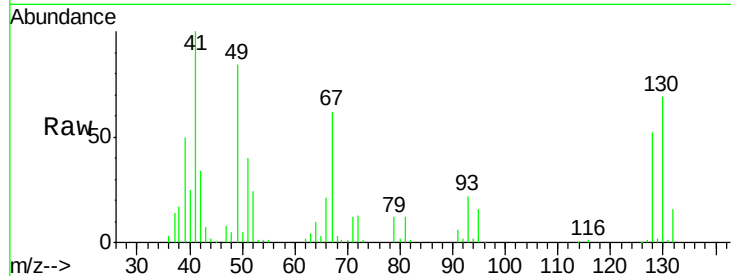
VSTDCCC050

Tot Ion: 41 Resp: 157831
Ion Ratio Lower Upper

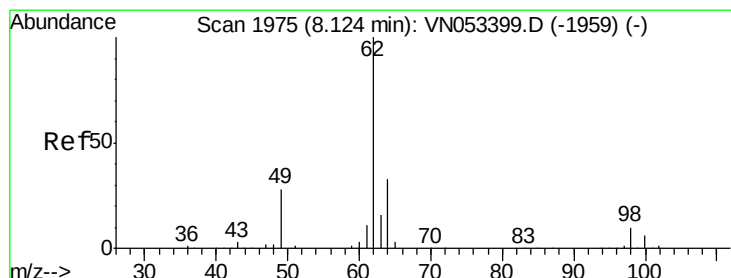
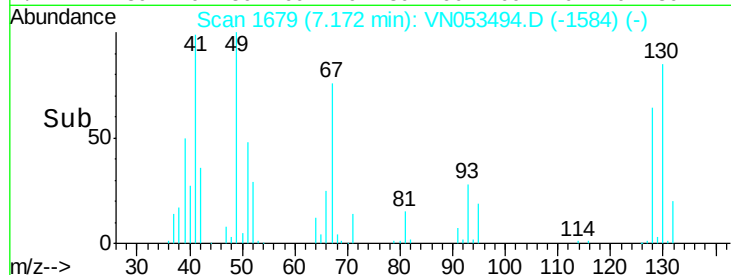
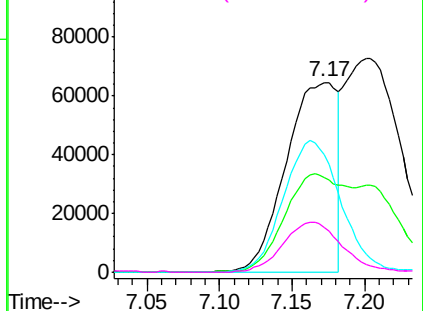
41	100		
39	62.5	46.8	70.2
67	79.0	63.0	94.6
52	31.0	23.8	35.8

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



#42

1,2-Dichloroethane

Concen: 50.007 ug/l

RT: 8.12 min Scan# 1974

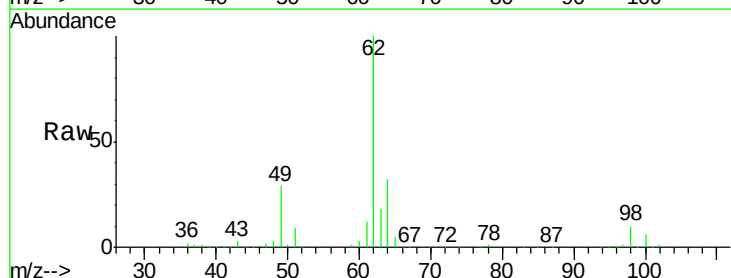
Delta R.T. -0.00 min

Lab File: VN053494.D

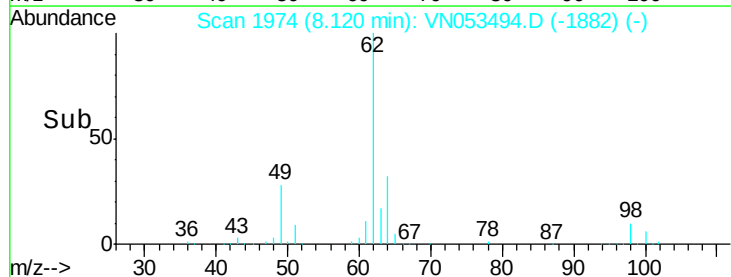
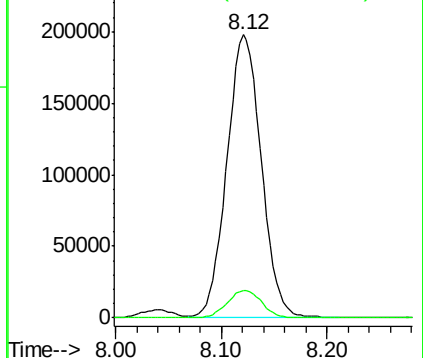
Acq: 21 Jan 2019 9:27

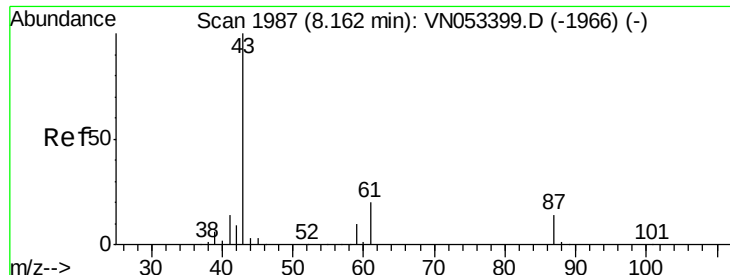
Tgt Ion: 62 Resp: 445865
Ion Ratio Lower Upper

62	100		
98	9.8	0.0	19.6



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





#43

Isopropyl Acetate

Concen: 43.246 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

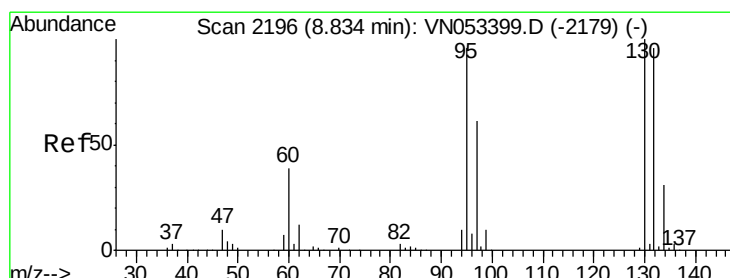
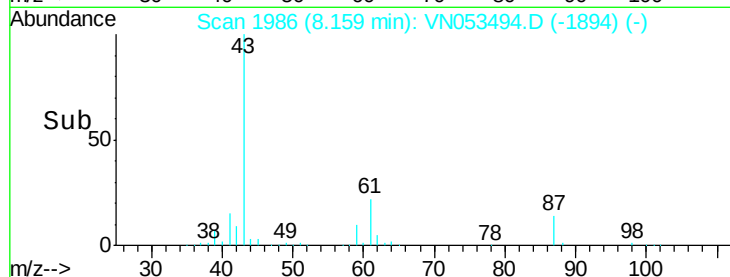
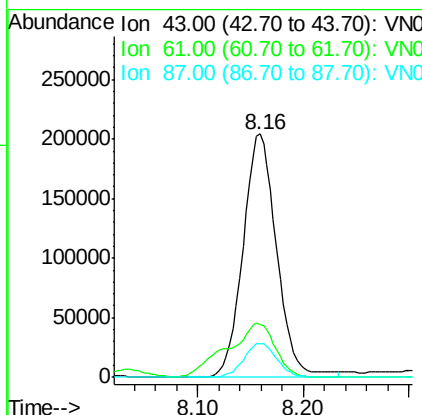
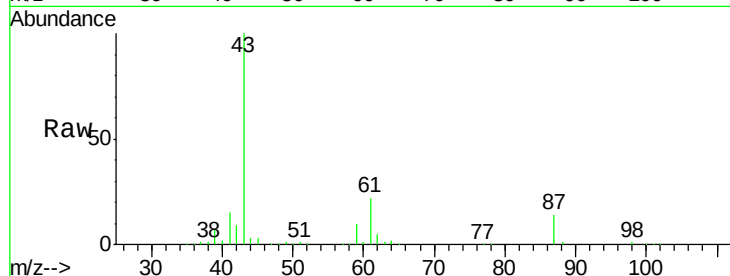
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	450573
Ion	Ratio	Lower	Upper
43	100		
61	31.9	23.9	35.9
87	13.7	11.0	16.6

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#44

Trichloroethene

Concen: 53.442 ug/l

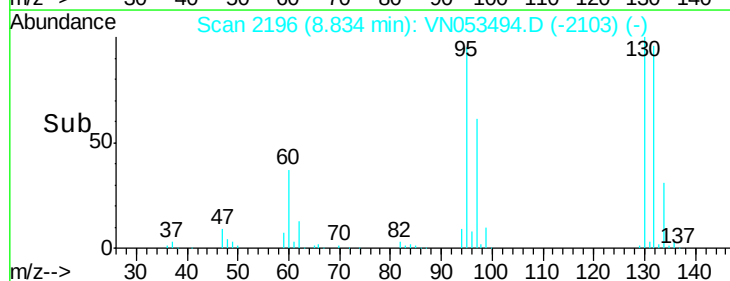
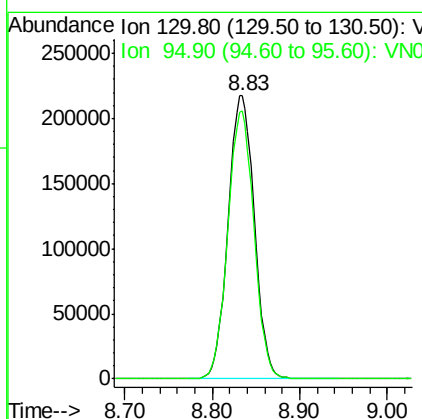
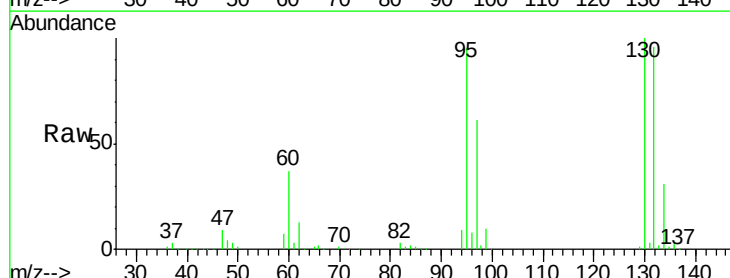
RT: 8.83 min Scan# 2196

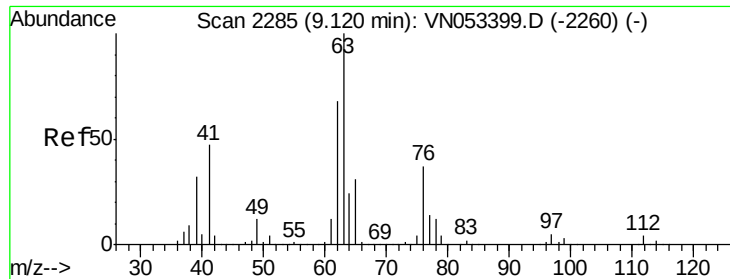
Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Tgt Ion:	130	Resp:	453576
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	191.4





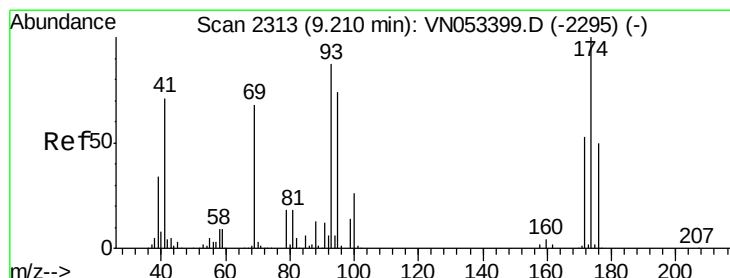
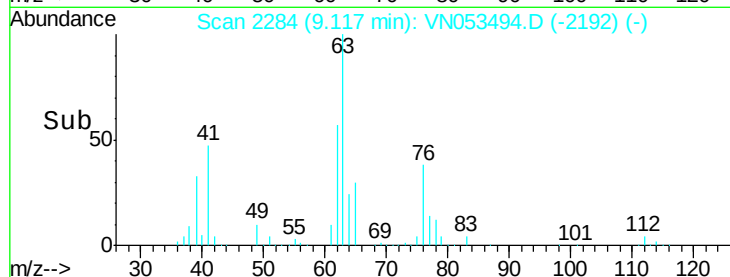
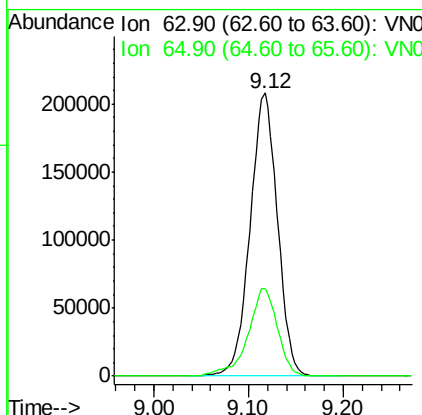
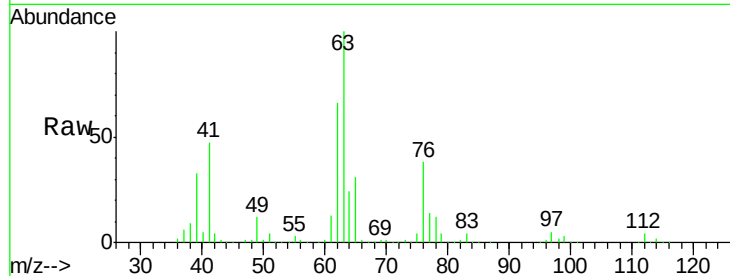
#45
 1,2-Dichloropropane
 Concen: 51.554 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 417908
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.4

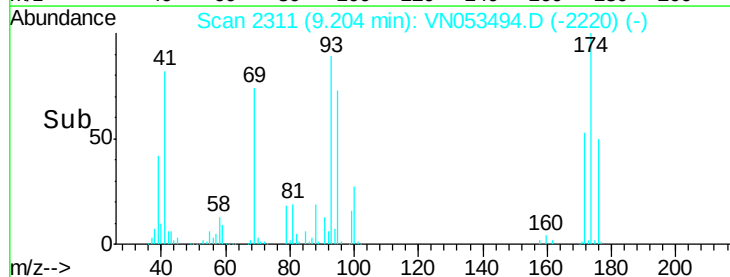
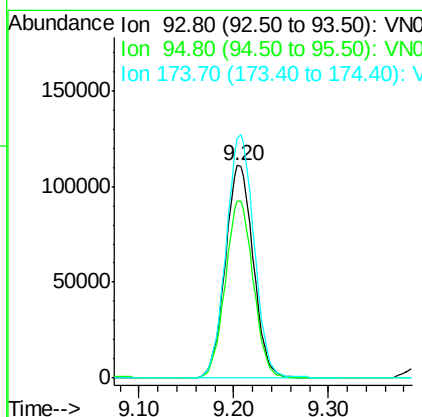
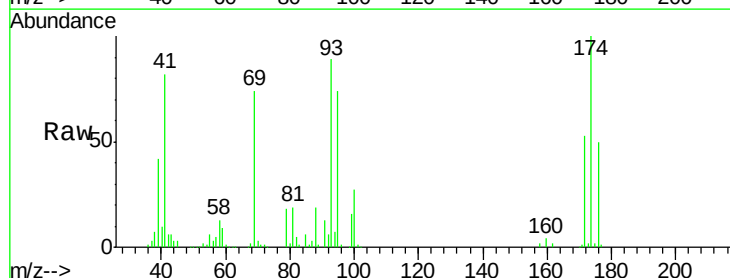
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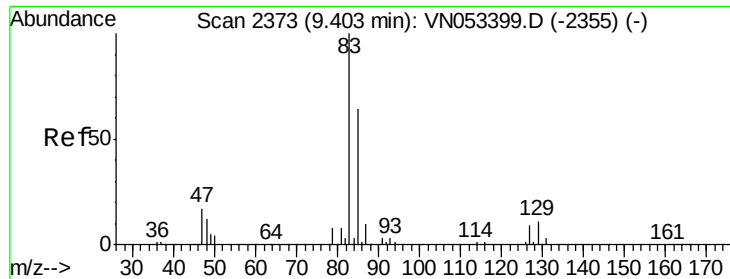
MMDadoda
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#46
 Dibromomethane
 Concen: 48.971 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.01 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Tgt Ion: 93 Resp: 228076
 Ion Ratio Lower Upper
 93 100
 95 82.8 67.3 100.9
 174 113.9 91.0 136.4





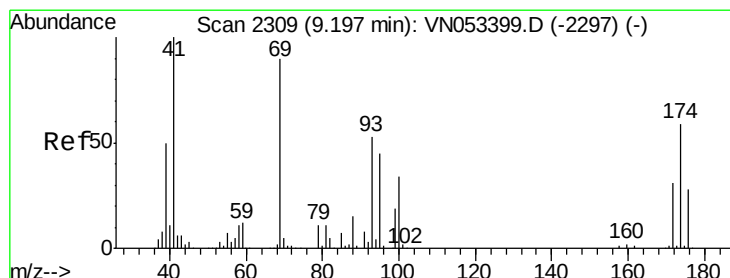
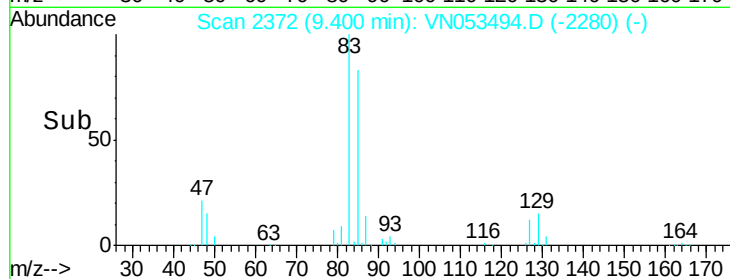
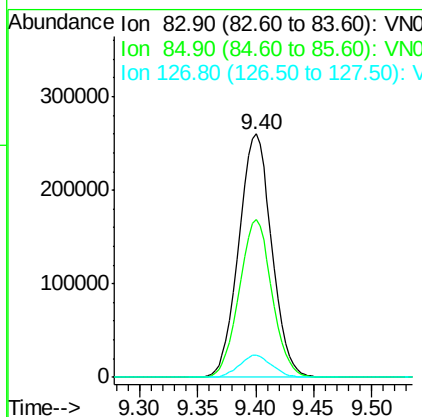
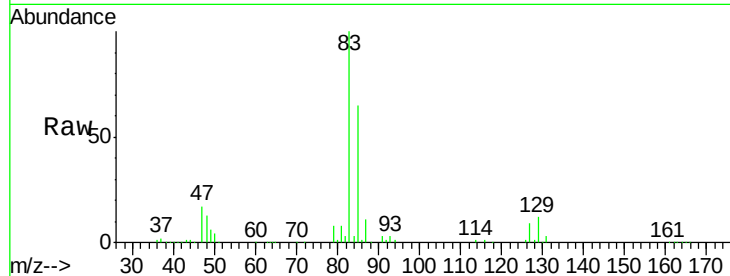
#47
 Bromodichloromethane
 Concen: 52.483 ug/l
 RT: 9.40 min Scan# 2372
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	83	Resp	514038
Ion Ratio	100		
85	64.7	51.0	76.6
127	9.3	7.0	10.6

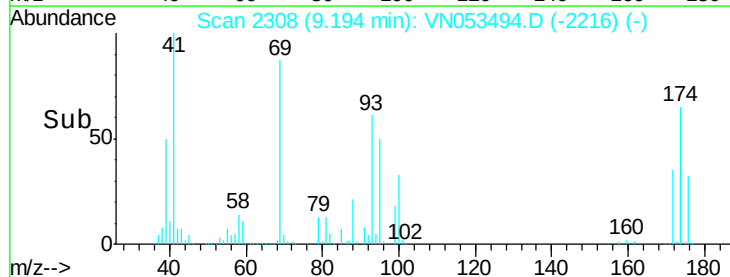
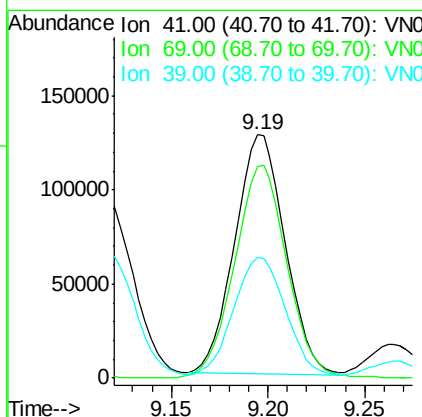
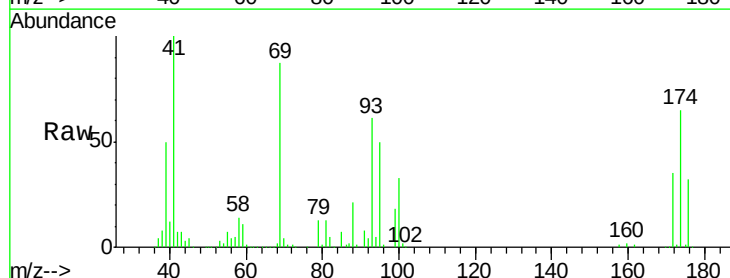
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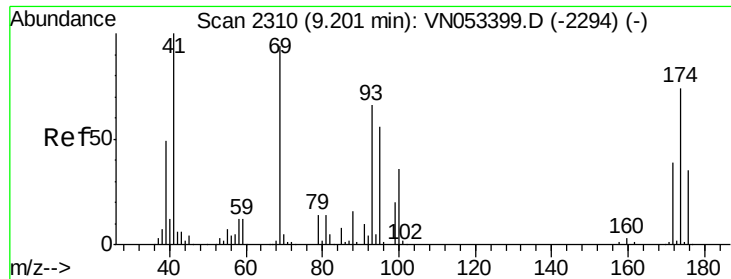
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#48
 Methyl methacrylate
 Concen: 42.705 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Tgt Ion	41	Resp	229732
Ion Ratio	100		
69	93.1	73.8	110.6
39	50.7	40.0	60.0





#49

1,4-Dioxane

Concen: 1079.817 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

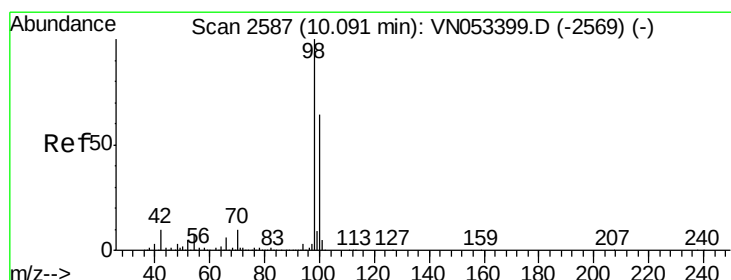
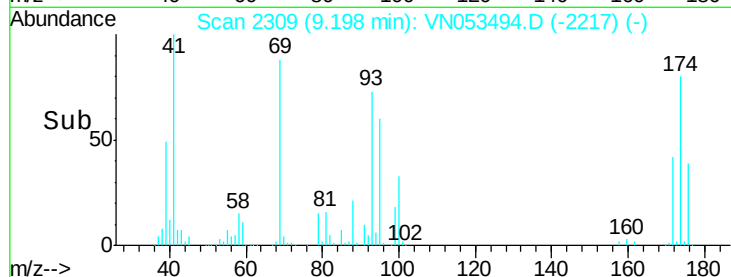
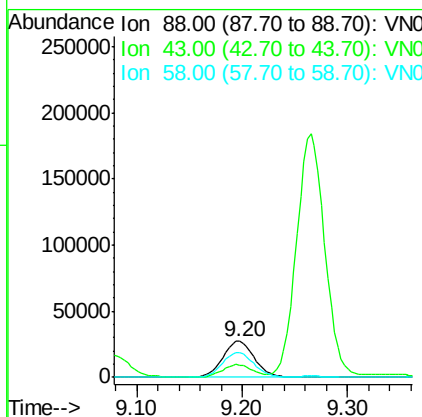
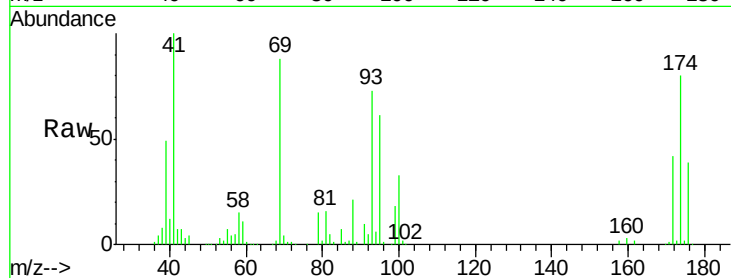
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	56731
Ion	Ratio	Lower	Upper
88	100		
43	30.9	27.8	41.6
58	69.5	56.5	84.7

Manual Integrations
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#50

Toluene-d8

Concen: 1079.817 ug/l

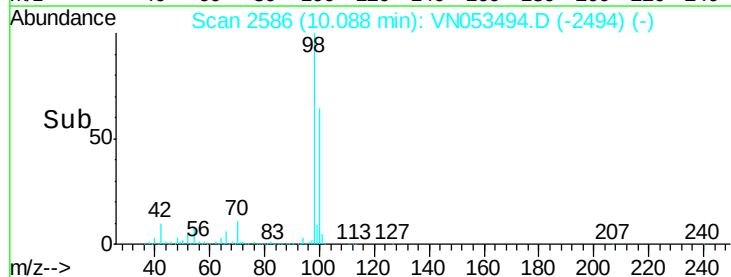
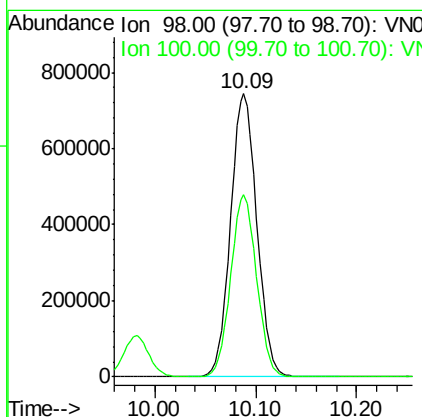
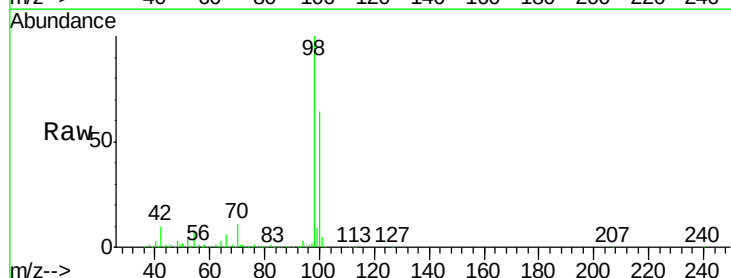
RT: 10.09 min Scan# 2586

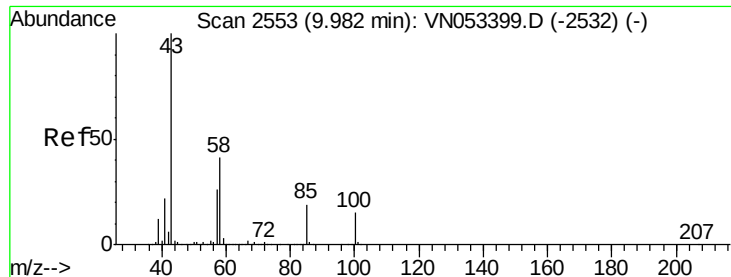
Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Tgt Ion:	98	Resp:	1349119
Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.4	77.0





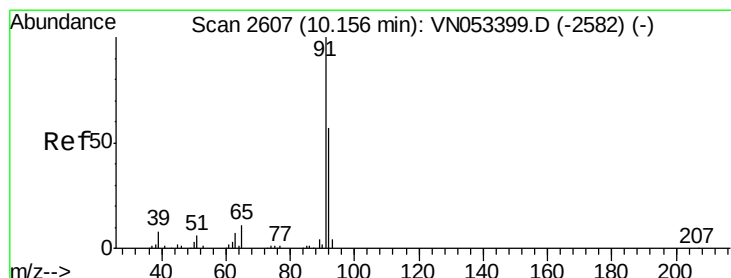
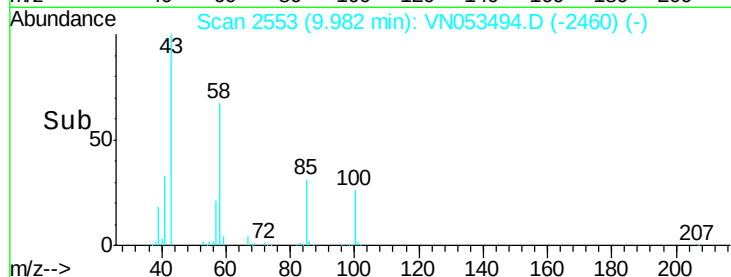
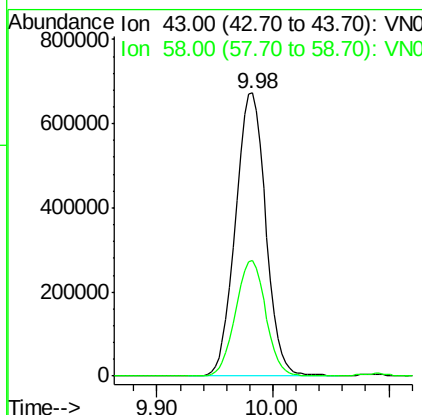
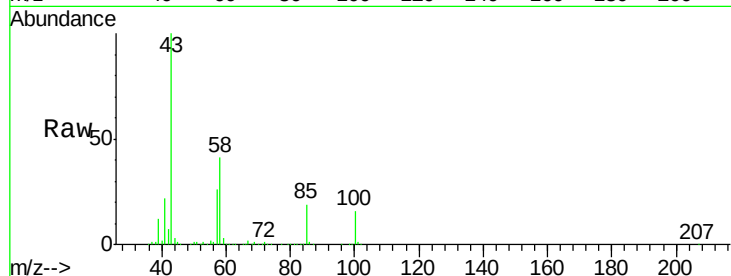
#51
4-Methyl-2-Pentanone
Concen: 213.548 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1214578
Ion Ratio Lower Upper
43 100
58 41.0 32.8 49.2

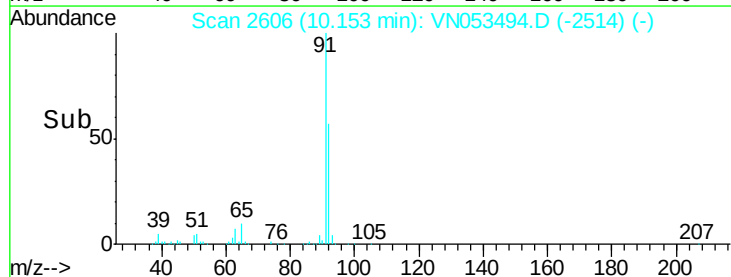
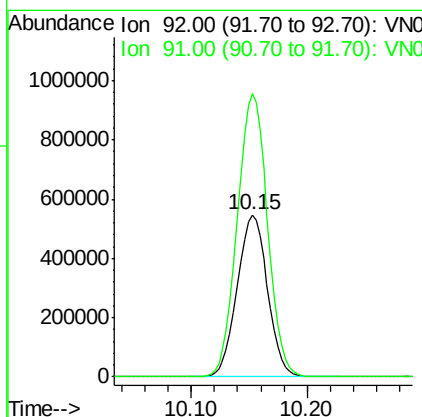
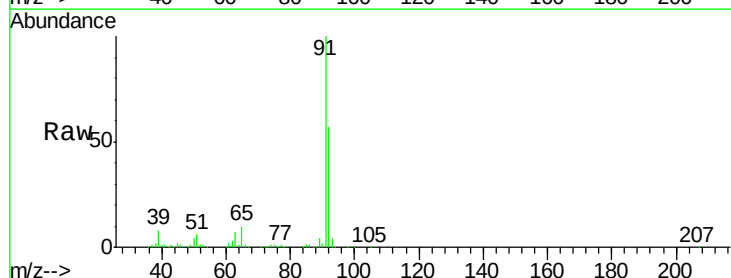
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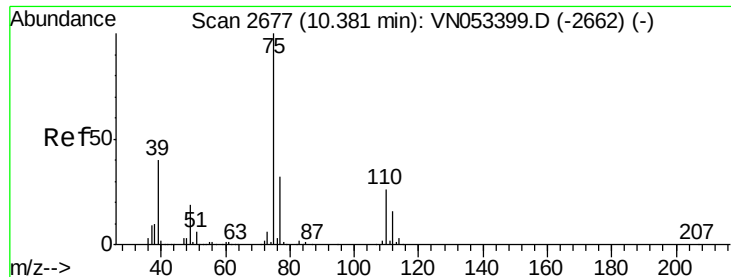
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#52
Toluene
Concen: 52.024 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion: 92 Resp: 988467
Ion Ratio Lower Upper
92 100
91 174.5 139.9 209.9





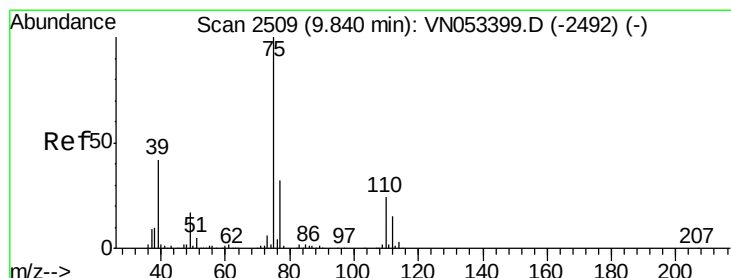
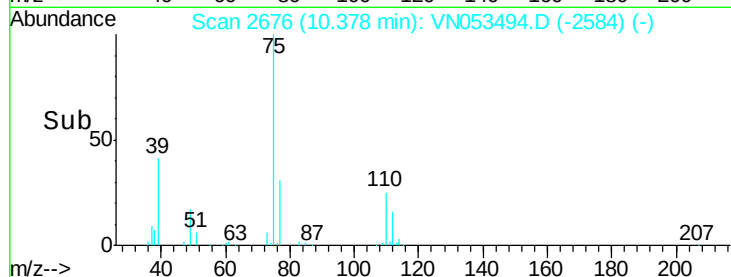
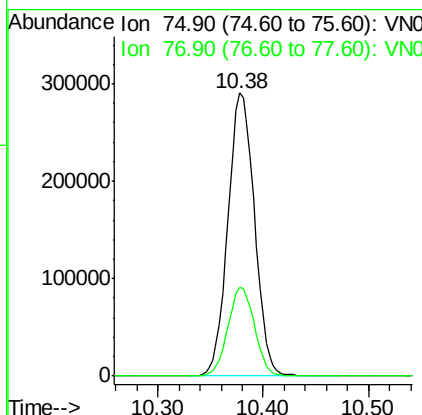
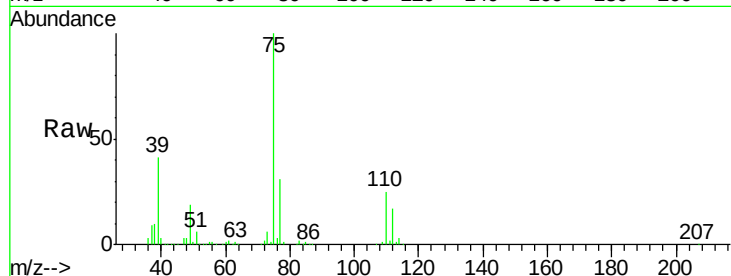
#53
t-1,3-Dichloropropene
Concen: 51.163 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.5	38.3

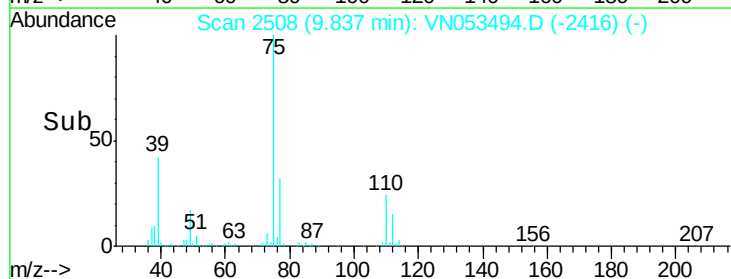
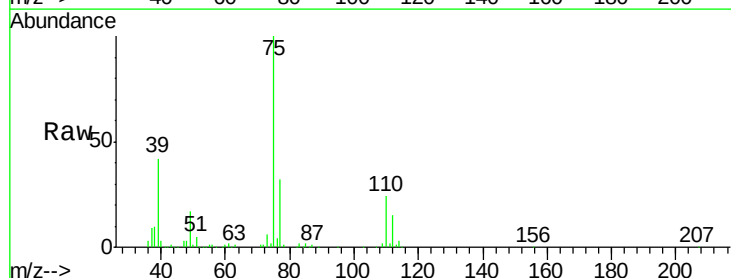
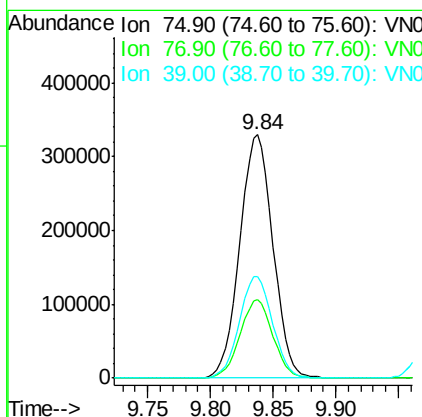
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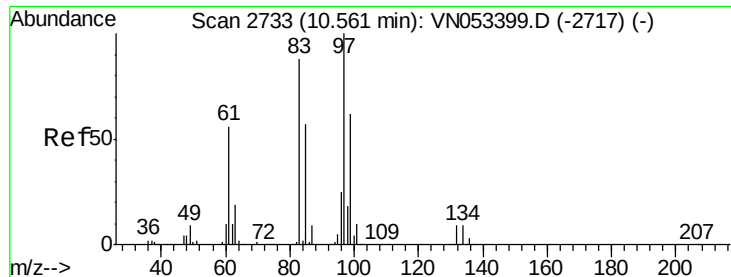
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#54
cis-1,3-Dichloropropene
Concen: 52.201 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.8	38.6
39	41.9	33.4	50.0





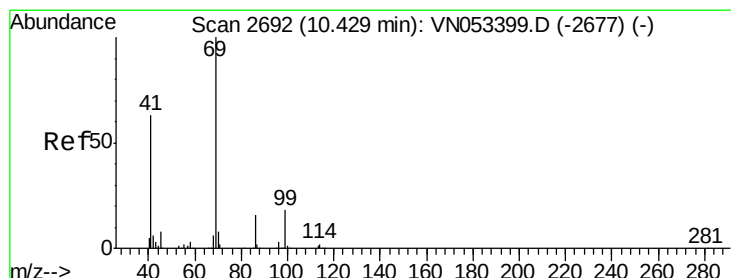
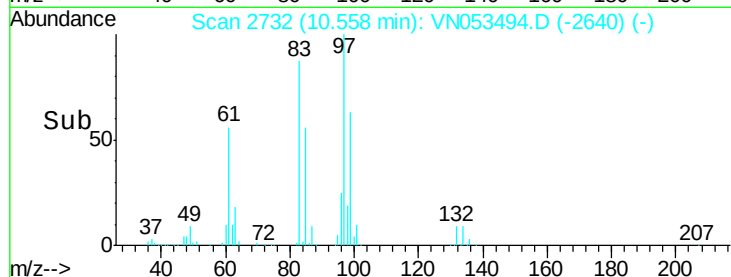
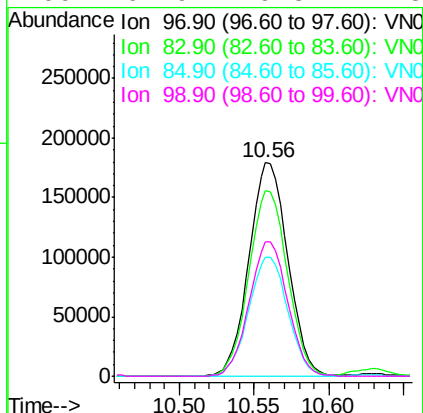
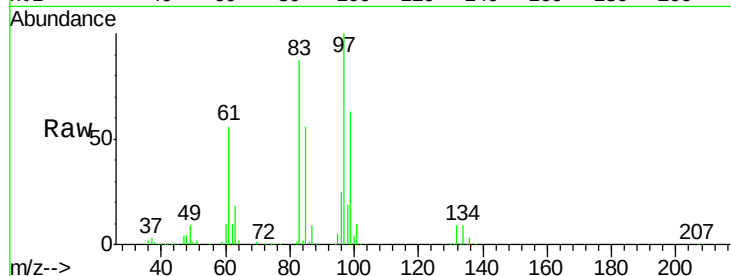
#55
 1,1,2-Trichloroethane
 Concen: 49.487 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	324165
Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.1	105.1
85	55.9	45.4	68.0
99	62.9	49.8	74.8

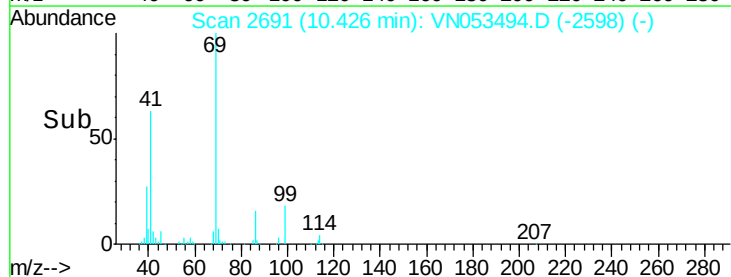
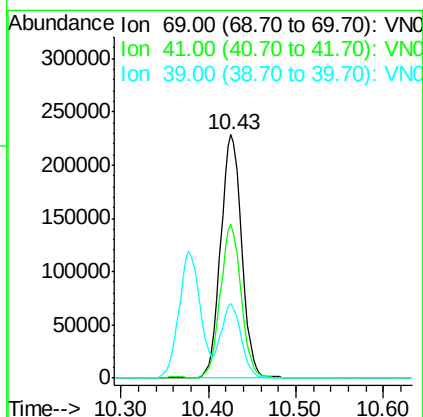
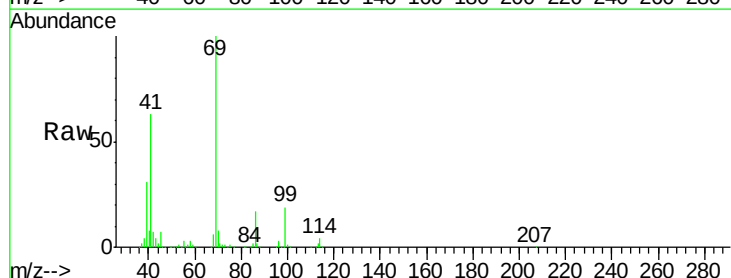
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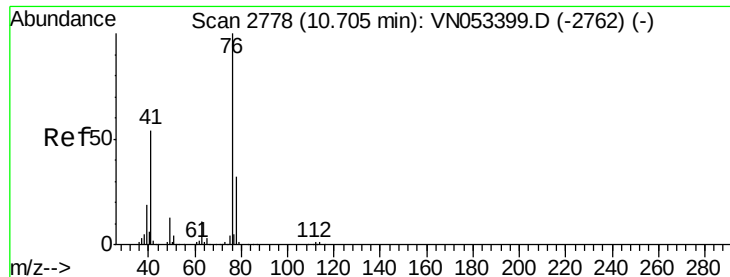
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#56
 Ethyl methacrylate
 Concen: 41.330 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Tgt Ion:	69	Resp:	380763
Ion	Ratio	Lower	Upper
69	100		
41	61.9	49.4	74.0
39	30.0	23.3	34.9





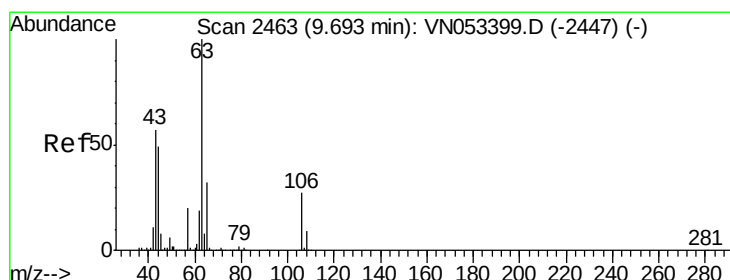
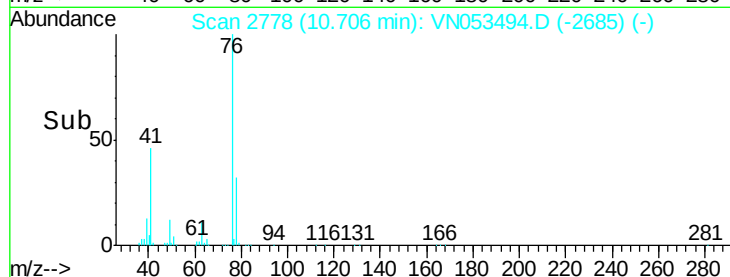
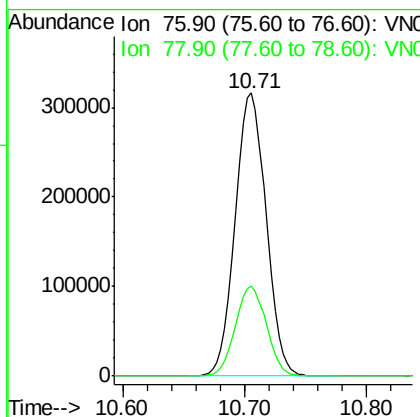
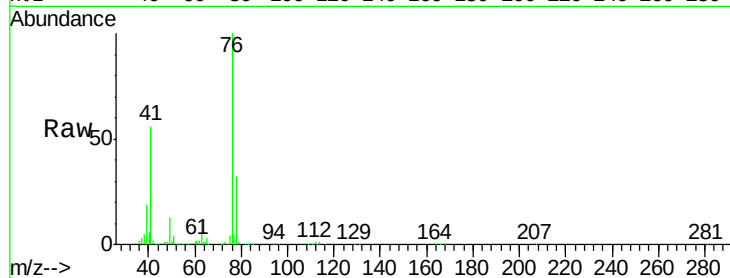
#57
 1,3-Dichloropropane
 Concen: 49.069 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.6	38.4

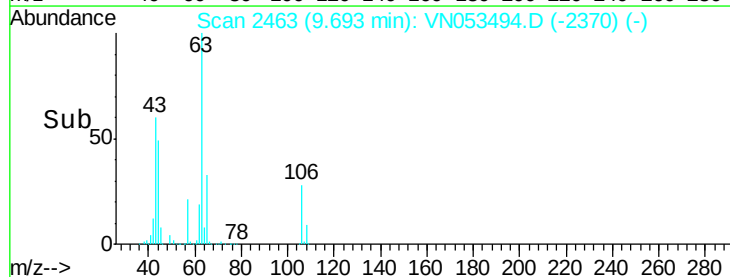
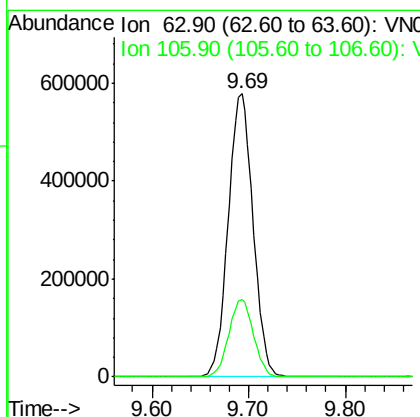
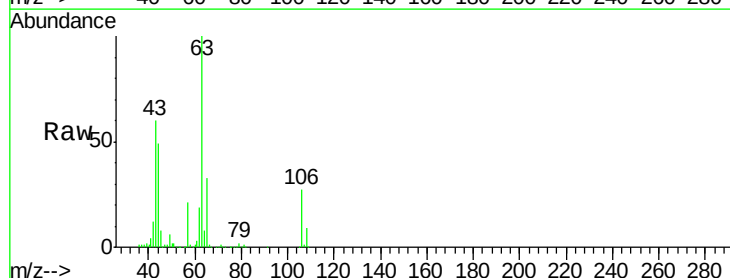
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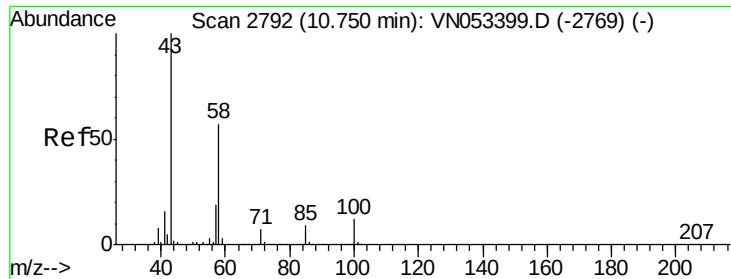
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#58
 2-Chloroethyl Vinyl ether
 Concen: 224.556 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.5	32.3





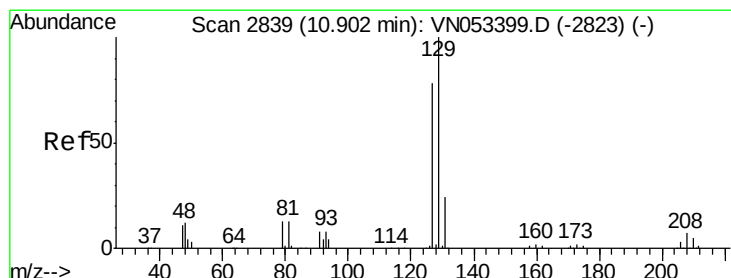
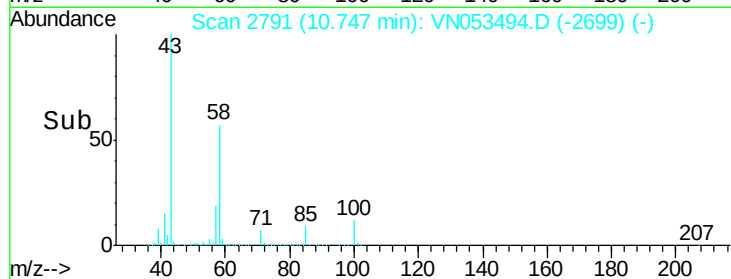
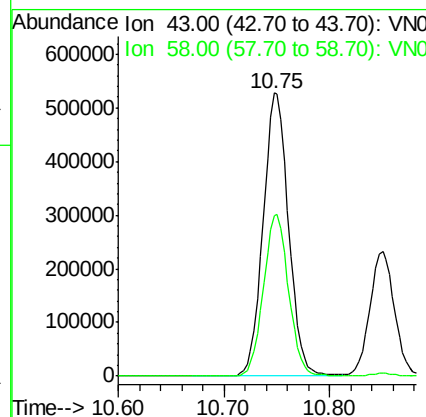
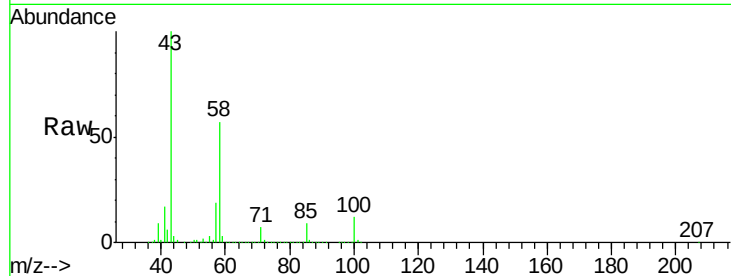
#59
2-Hexanone
Concen: 222.525 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	58	Ratio	Lower	Upper
888462	100	56.5		28.6	85.8

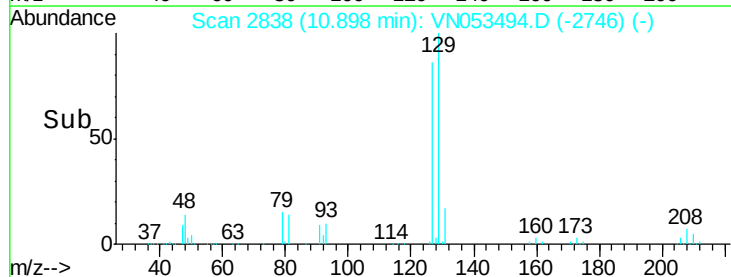
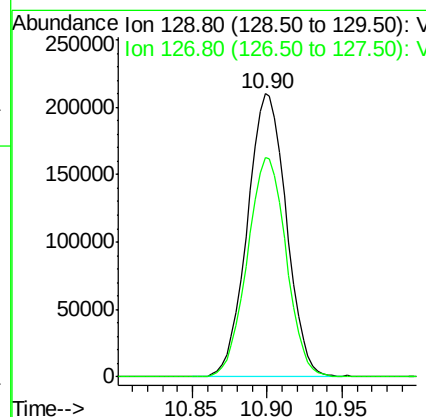
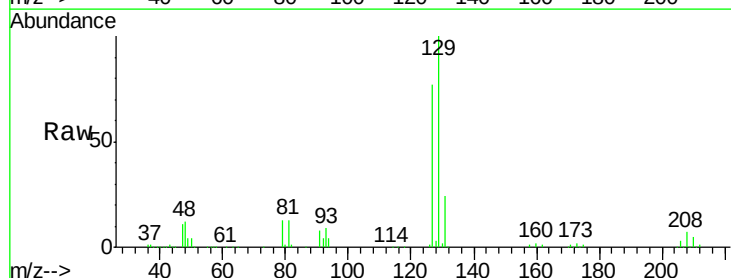
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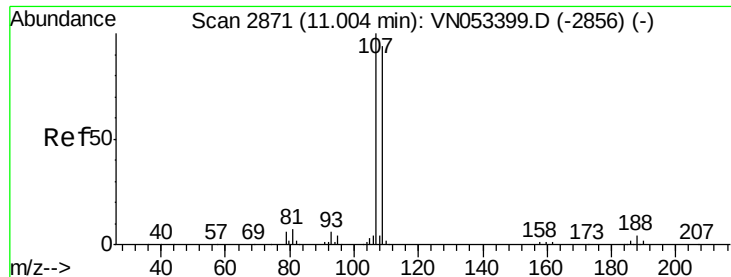
MMDadoda
1/22/2019 9:47:14 AM



#60
Dibromochloromethane
Concen: 51.330 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion	129	127	Ratio	Lower	Upper
381372	100	77.3		38.6	115.8





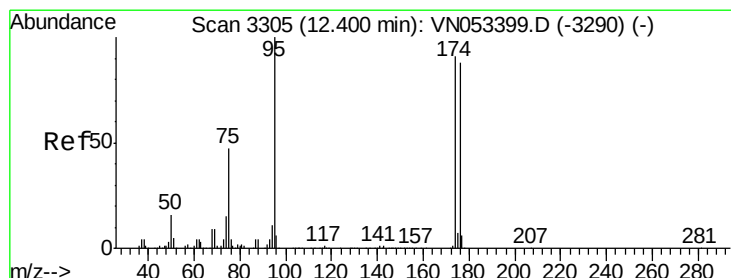
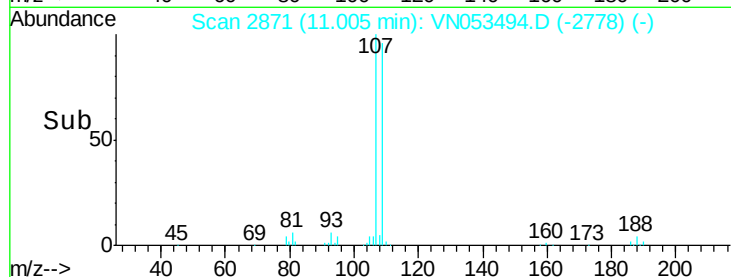
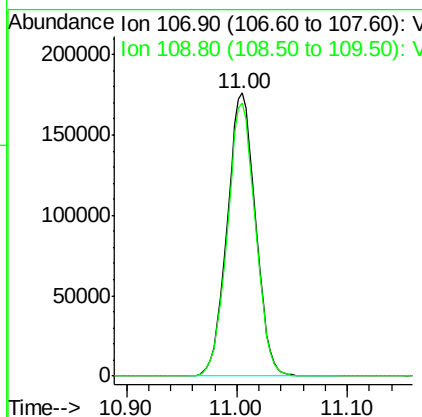
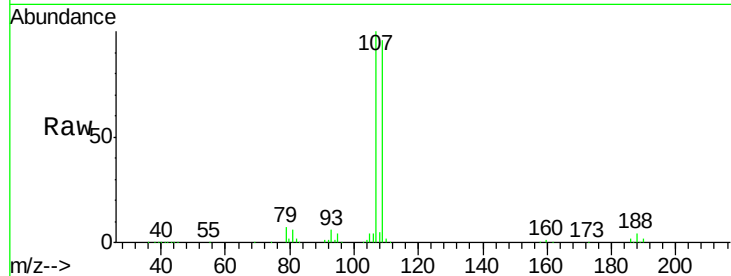
#61
 1,2-Dibromoethane
 Concen: 47.354 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.7	113.5

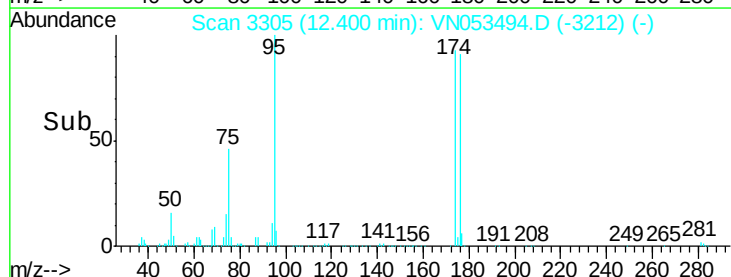
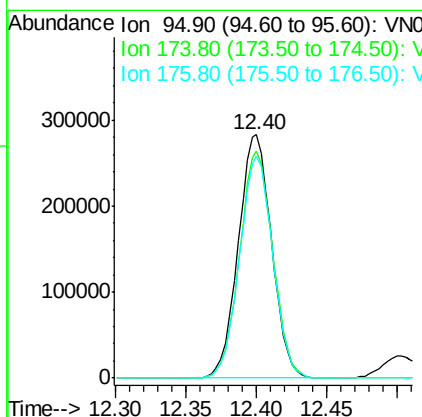
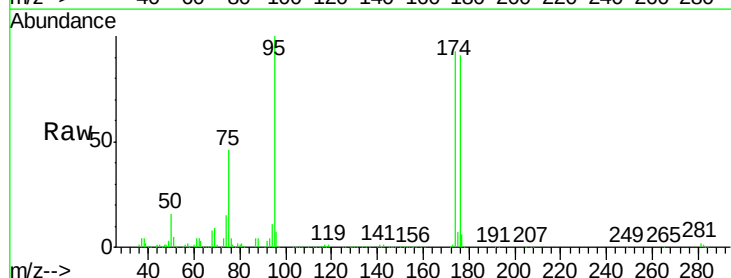
Manual Integrations
 APPROVED

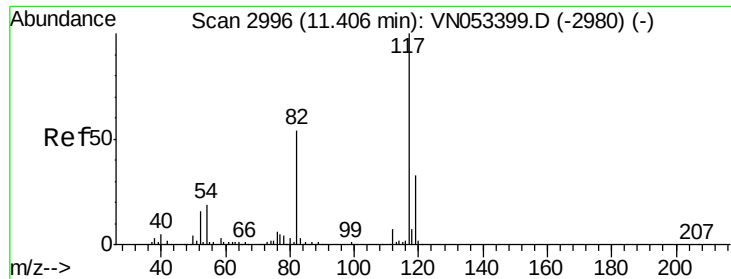
MMDadoda
 1/22/2019 9:47:14 AM



#62
 4-Bromofluorobenzene
 Concen: 47.354 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.4	0.0	183.2
176	90.9	0.0	177.4





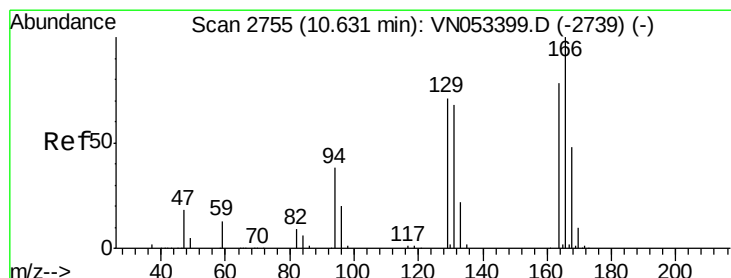
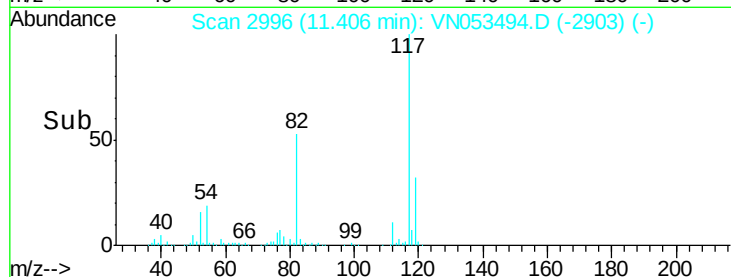
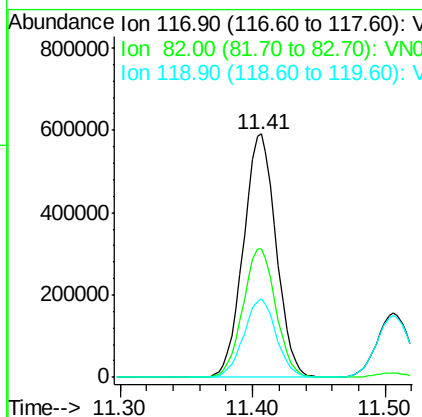
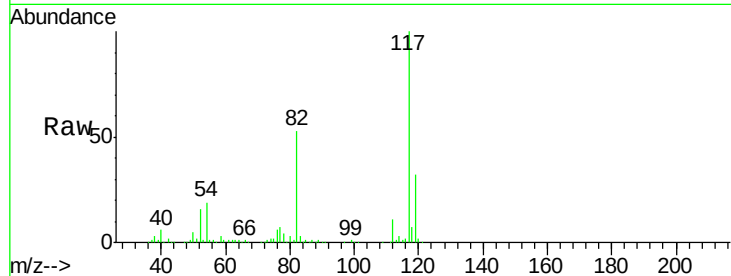
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.9	64.3
119	32.0	26.0	39.0

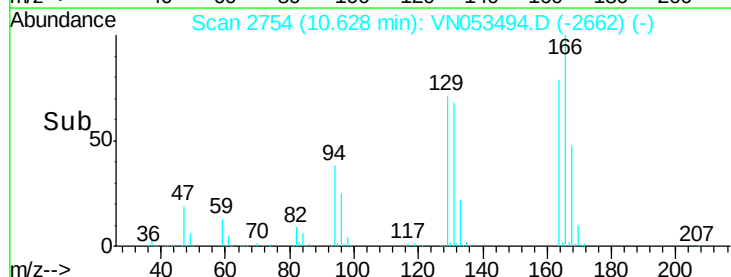
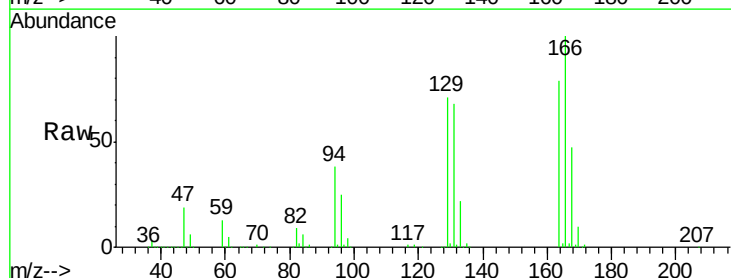
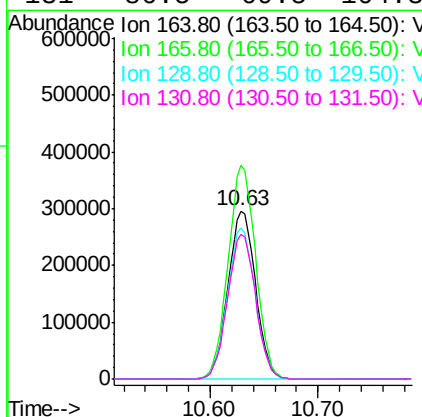
Manual Integrations
APPROVED

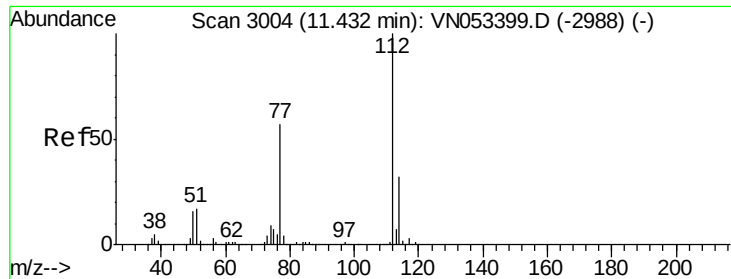
MMDadoda
1/22/2019 9:47:14 AM



#64
Tetrachloroethene
Concen: 55.438 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	102.2	153.4
129	90.1	72.6	109.0
131	86.5	69.5	104.3





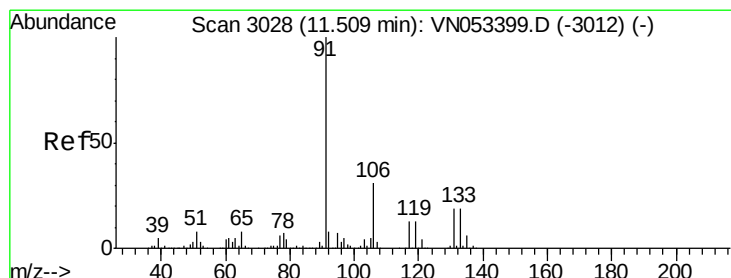
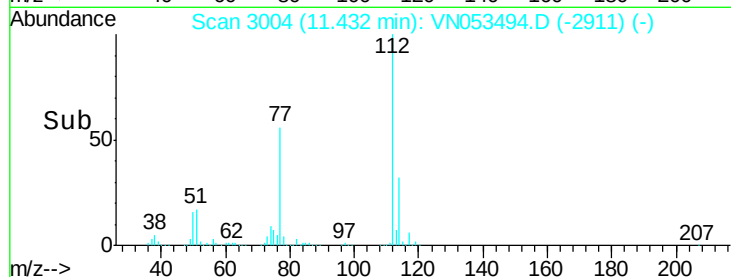
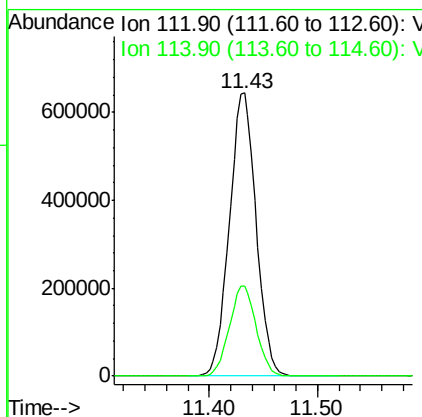
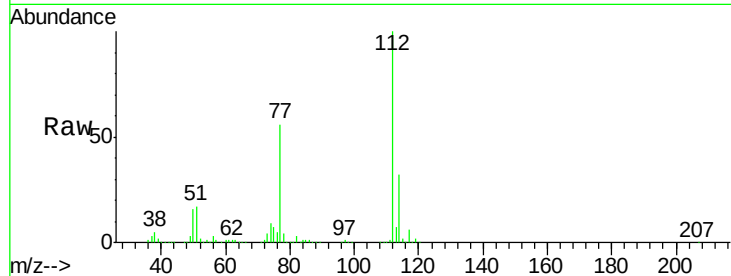
#65
Chlorobenzene
Concen: 52.018 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1111712
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9

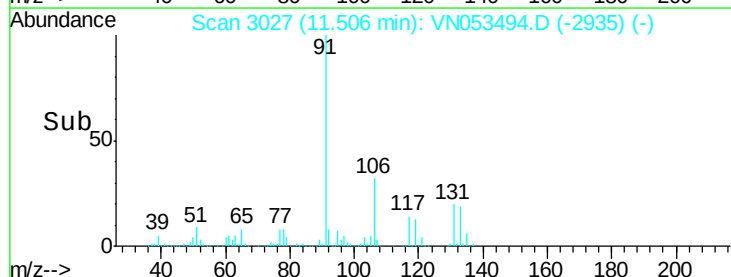
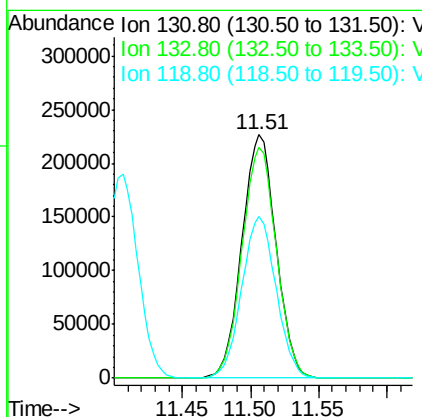
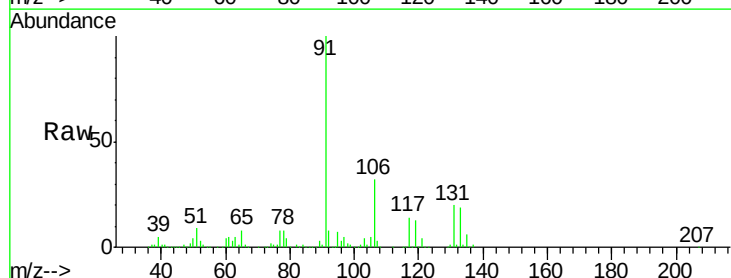
Manual Integrations
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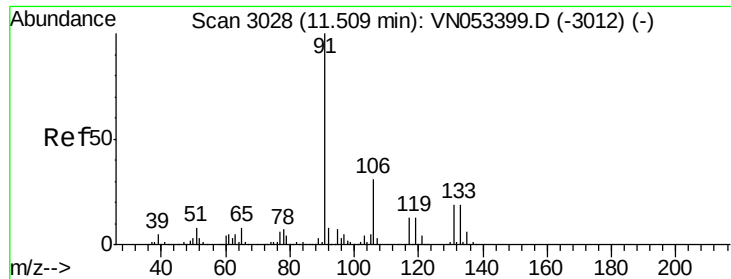
MMDadoda
1/22/2019 9:47:14 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.003 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion:131 Resp: 394074
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.0
119 66.8 33.5 100.5





#67

Ethyl Benzene

Concen: 52.475 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1911287

Ion Ratio Lower Upper

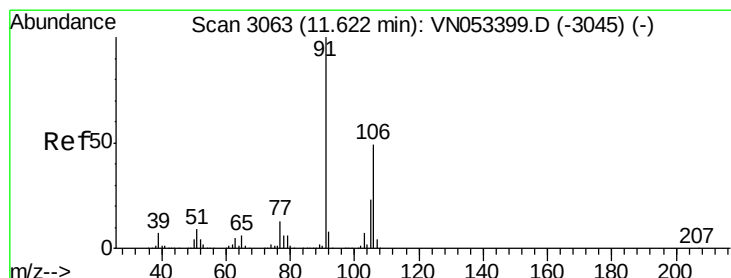
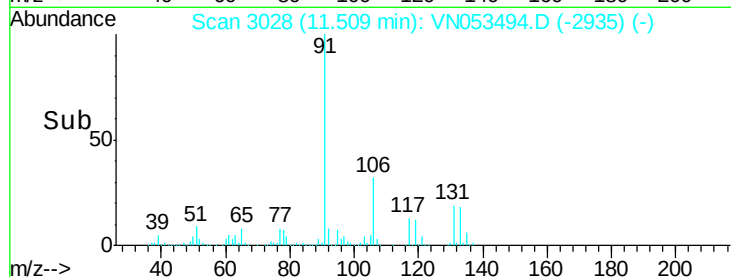
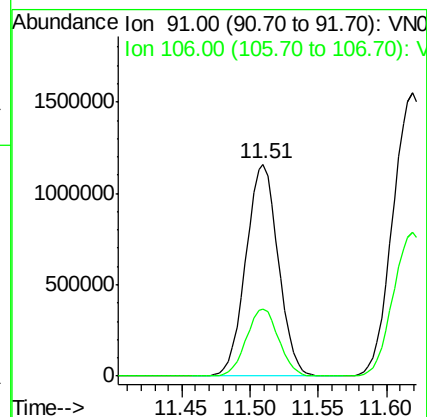
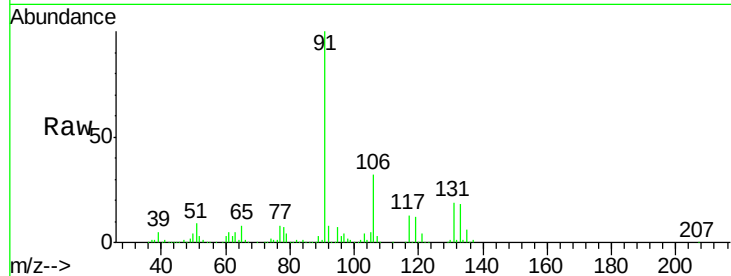
91 100

106 31.8 25.0 37.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 108.613 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053494.D

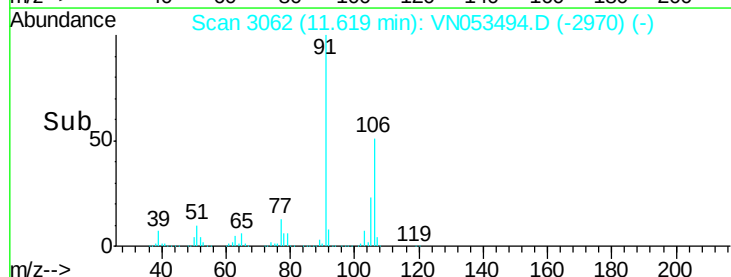
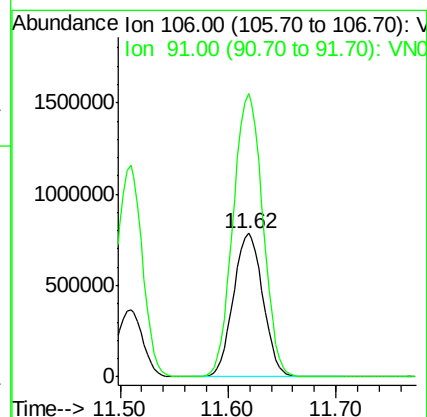
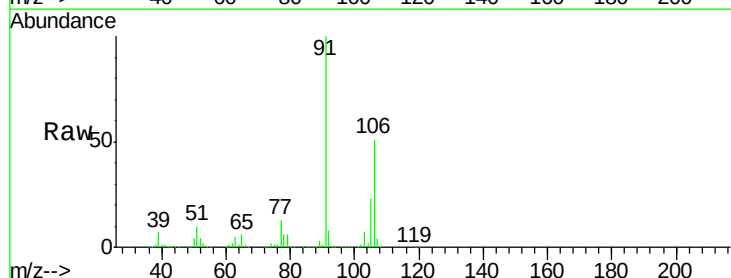
Acq: 21 Jan 2019 9:27

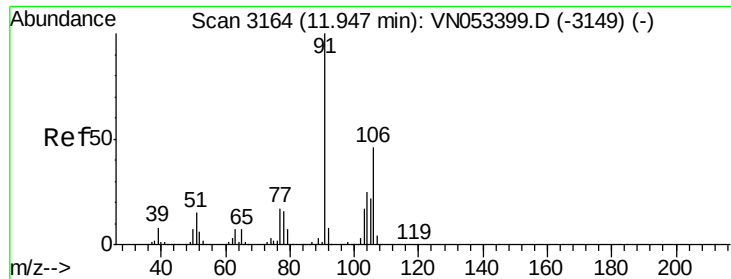
Tgt Ion: 106 Resp: 1493610

Ion Ratio Lower Upper

106 100

91 198.8 161.4 242.2





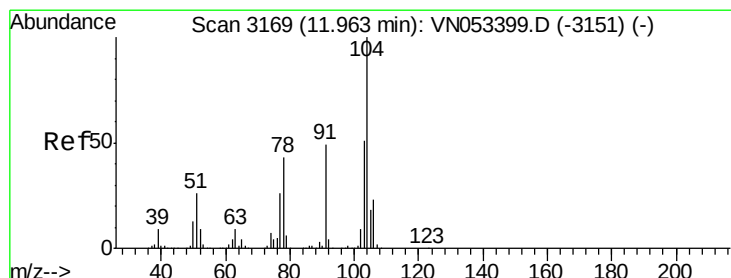
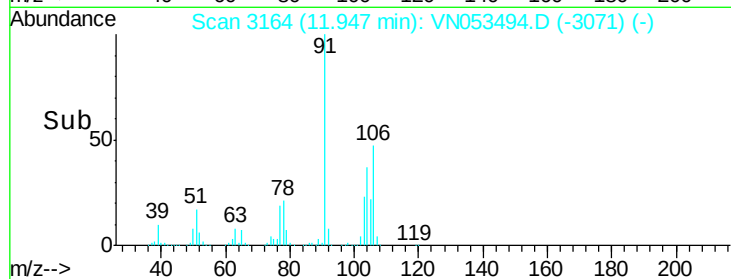
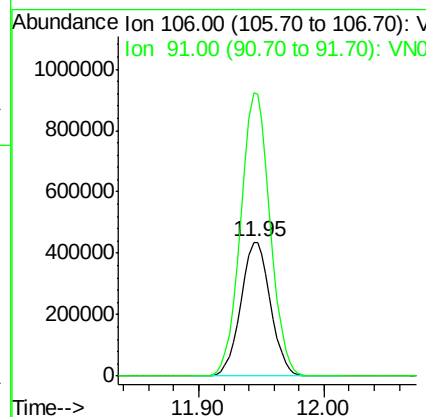
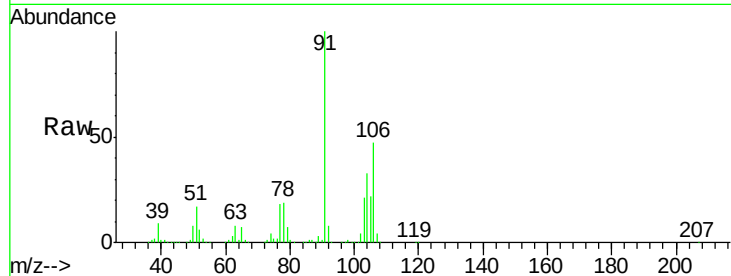
#69
o-Xylene
Concen: 53.506 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.2	106.9	320.8

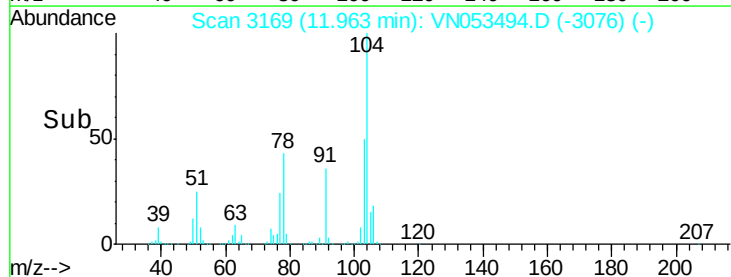
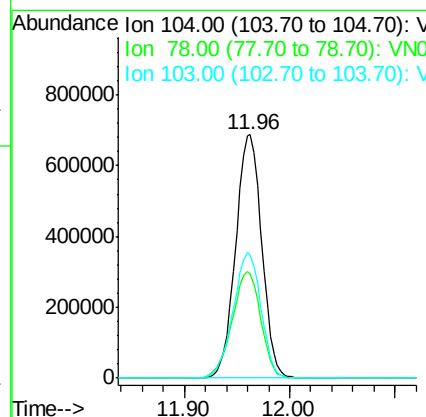
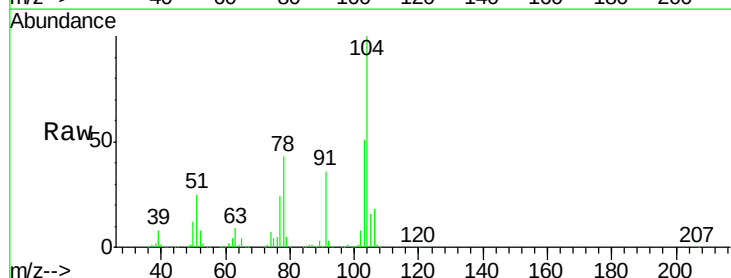
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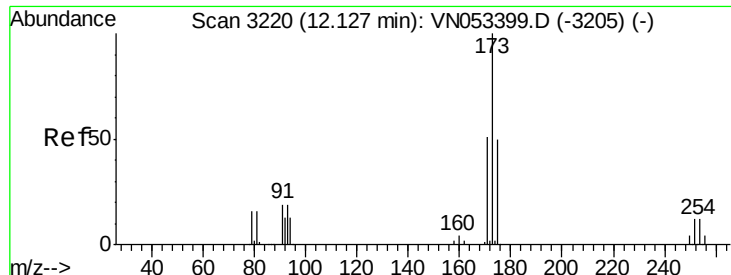
MMDadoda
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#70
Styrene
Concen: 54.209 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	38.2	57.2
103	55.3	44.4	66.6





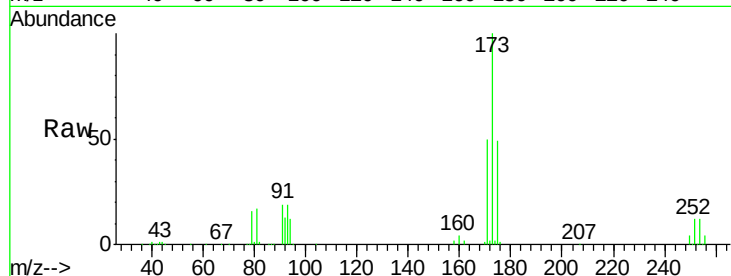
#71
Bromoform
Concen: 49.211 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	74.0
254	0.1	0.2	0.2

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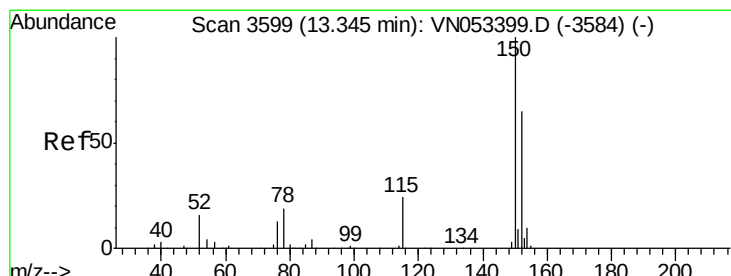
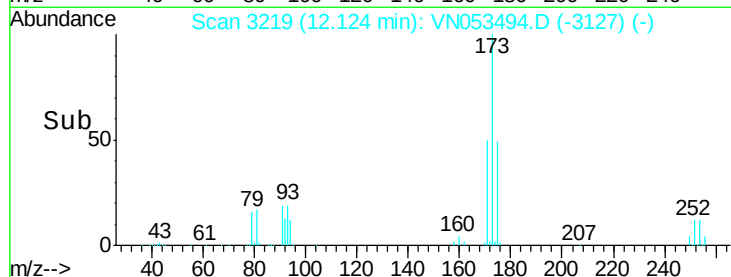
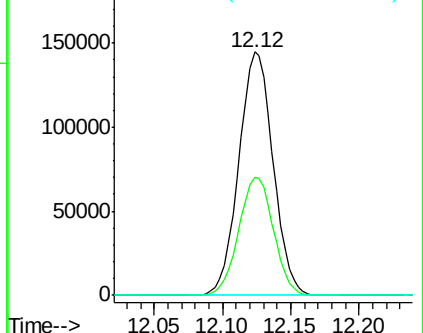


Abundance

Ion 172.70 (172.40 to 173.40): V

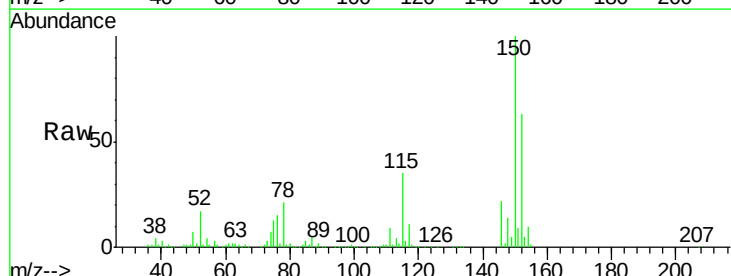
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053494.D
Acq: 21 Jan 2019 9:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.8	83.4
150	174.1	0.0	349.0

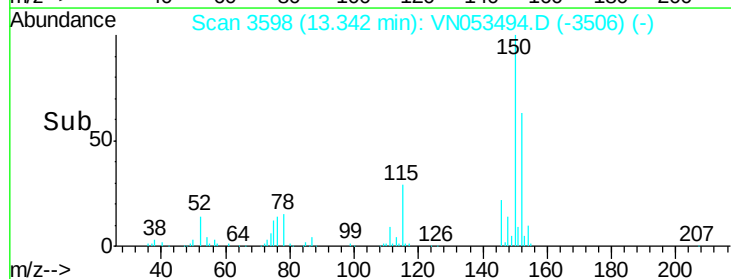
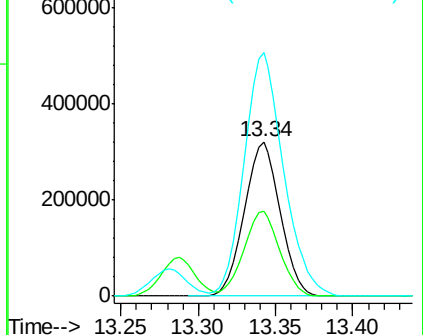


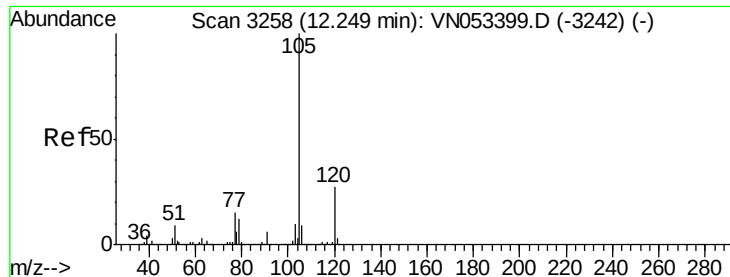
Abundance

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: 51.125 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1927915

Ion Ratio Lower Upper

105 100

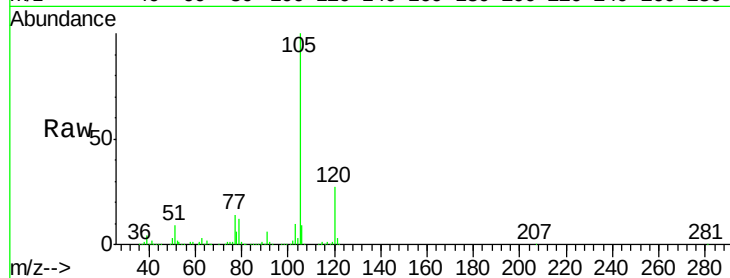
120 26.9 13.6 40.7

Manual Integrations

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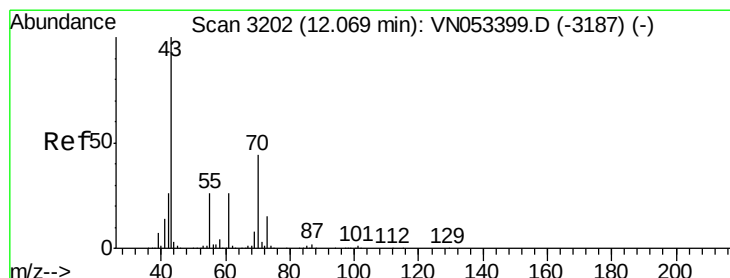
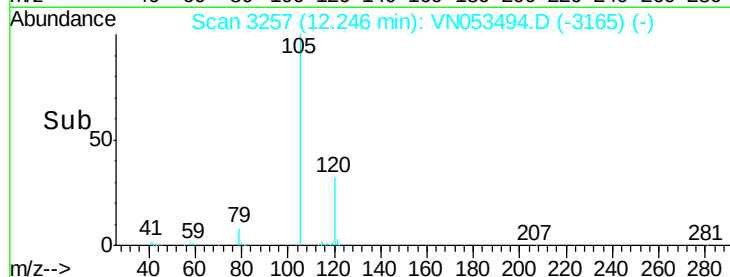
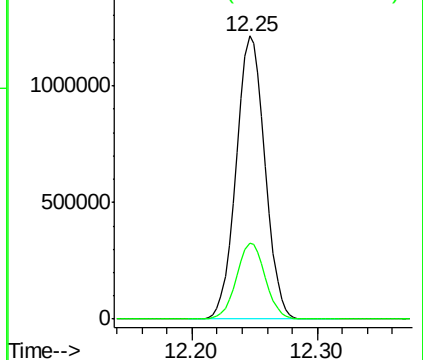
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 41.192 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Tgt Ion: 43 Resp: 414088

Ion Ratio Lower Upper

43 100

70 45.8 35.4 53.2

55 26.9 20.9 31.3

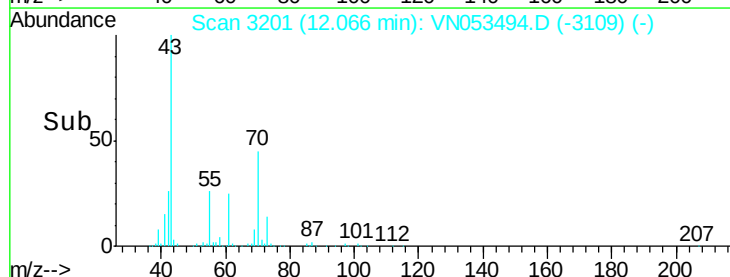
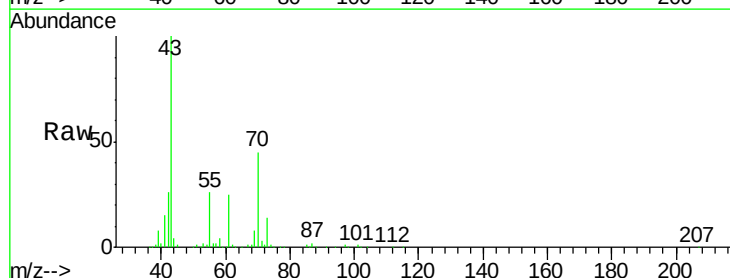
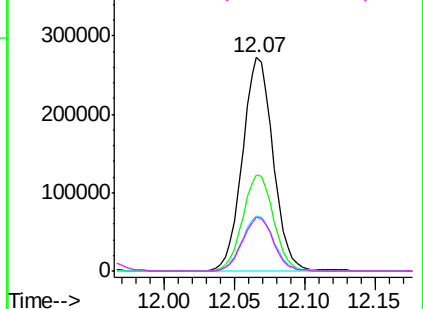
61 25.6 20.5 30.7

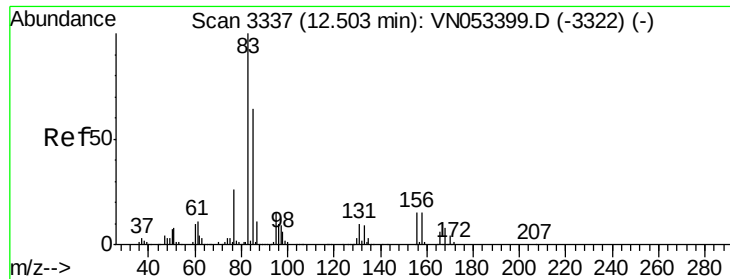
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 39.621 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 313354
Ion Ratio Lower Upper

83 100

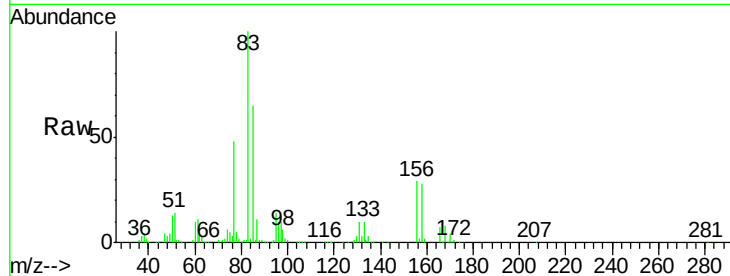
131 10.8 5.3 15.8

85 63.7 32.1 96.3

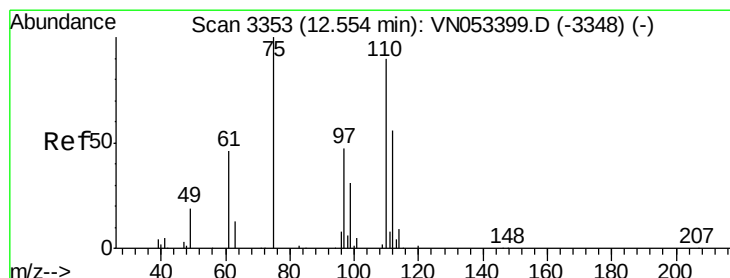
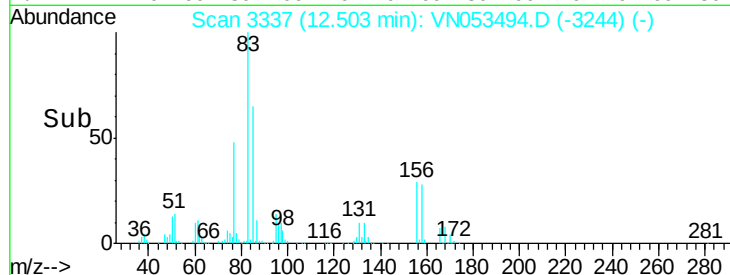
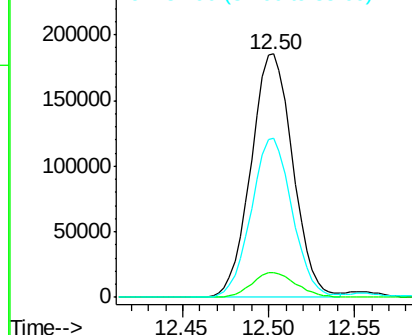
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 44.751 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

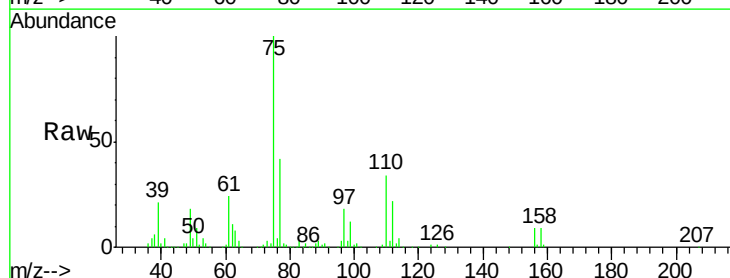
Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

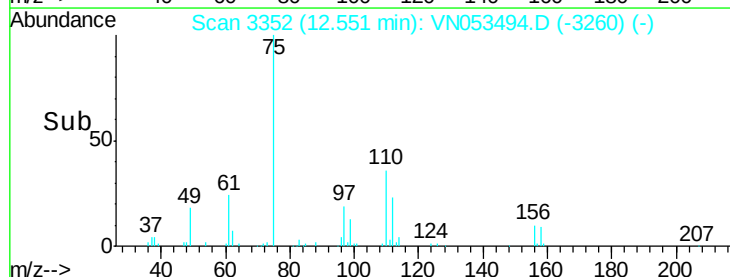
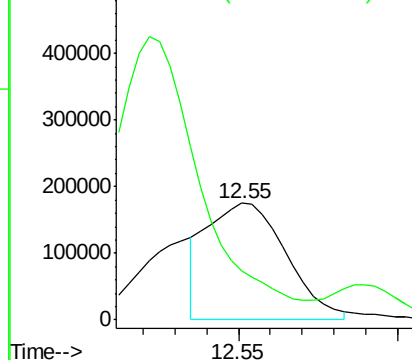
Tgt Ion: 75 Resp: 303681
Ion Ratio Lower Upper

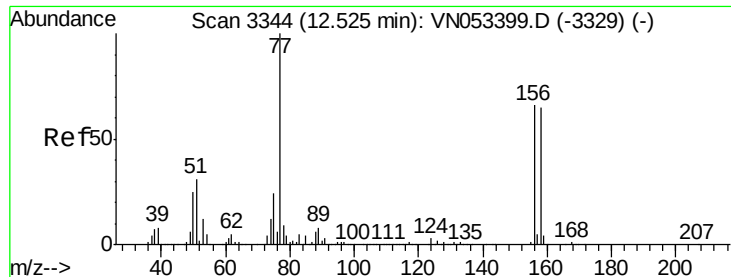
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 49.032 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

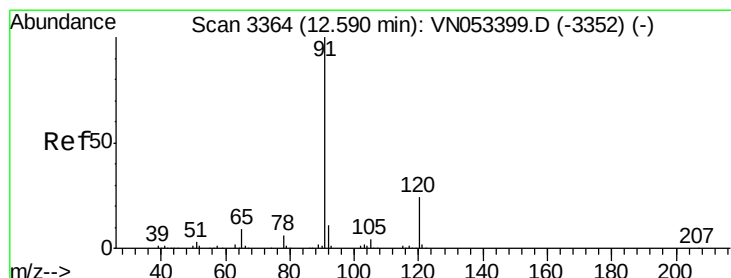
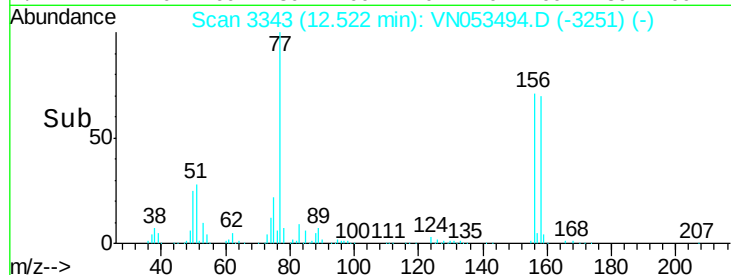
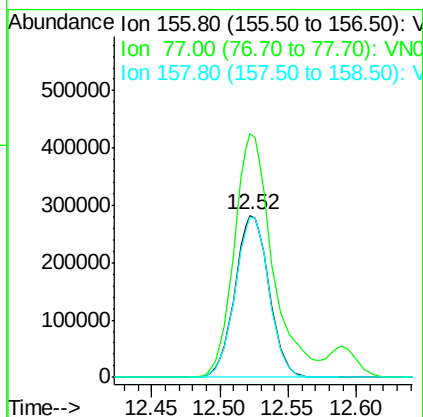
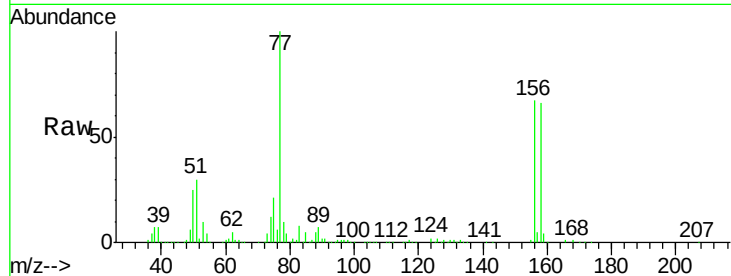
ClientSampled :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		487216		
77	169.1	87.9	263.8		
158	98.2	48.8	146.4		

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#78

n-propylbenzene

Concen: 52.371 ug/l

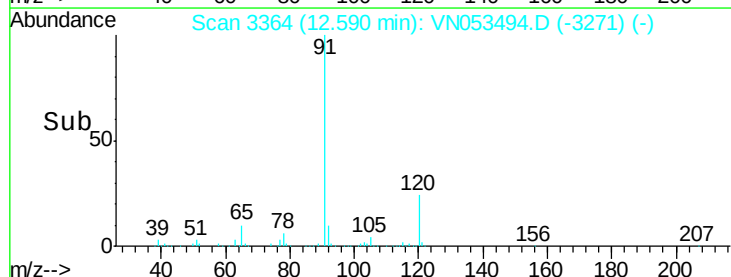
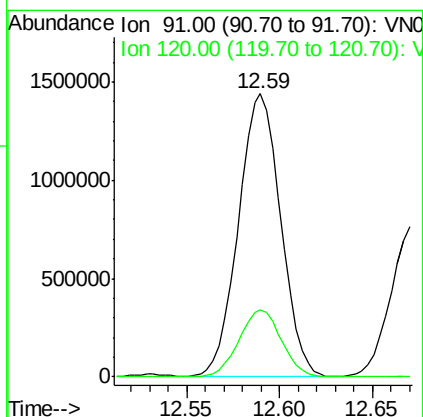
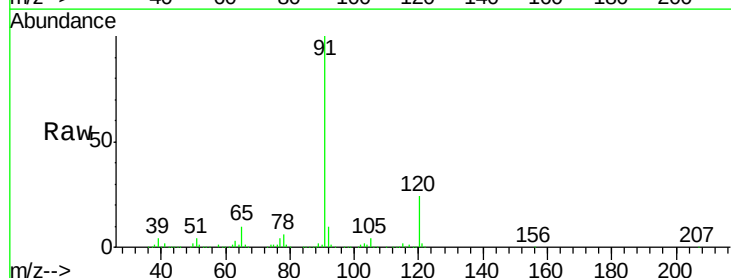
RT: 12.59 min Scan# 3364

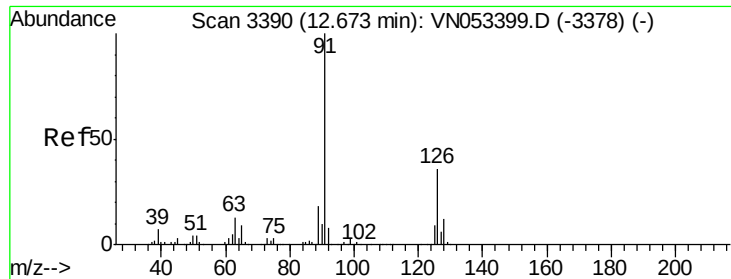
Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		2266949		
120	23.7	11.9	35.5		





#79

2-Chlorotoluene

Concen: 50.115 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1285835

Ion Ratio Lower Upper

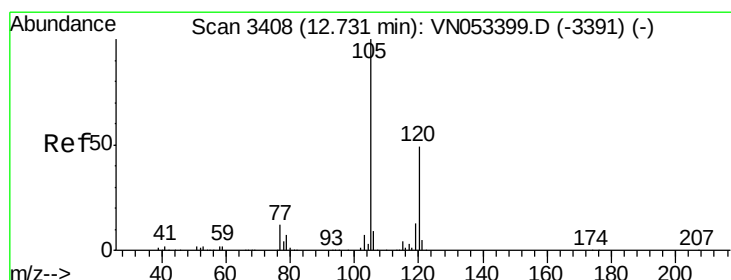
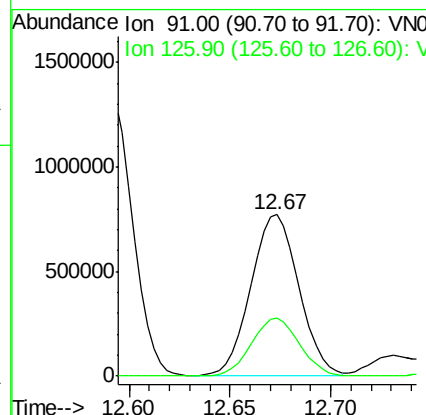
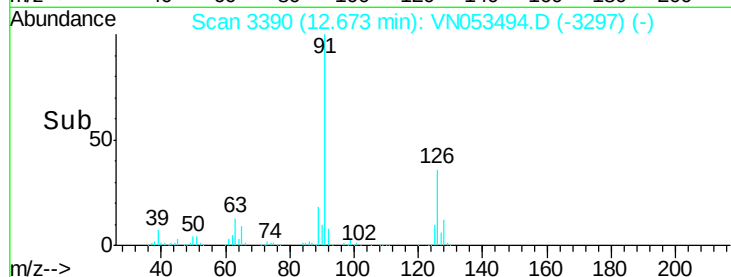
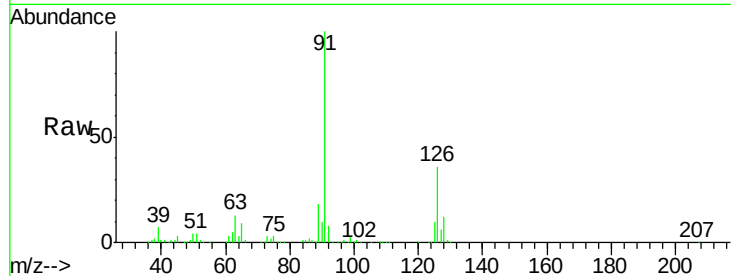
91 100

126 35.9 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 52.364 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053494.D

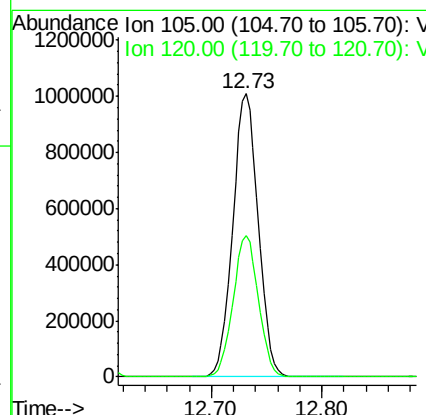
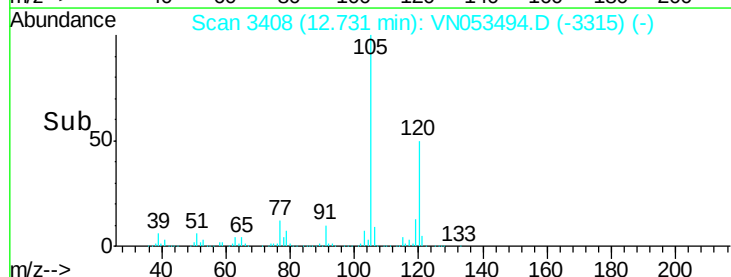
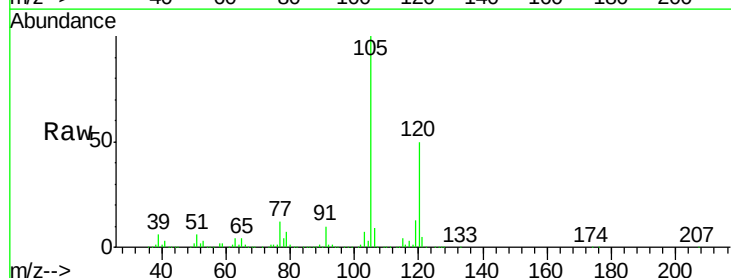
Acq: 21 Jan 2019 9:27

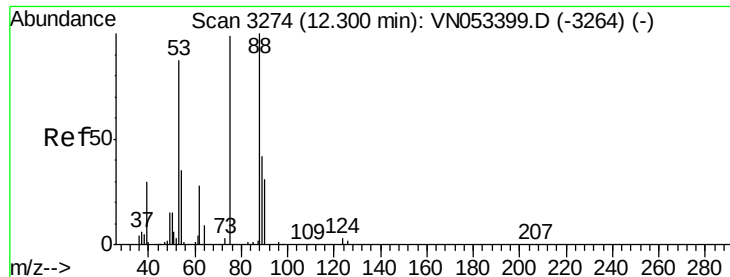
Tgt Ion: 105 Resp: 1606619

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 39.804 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

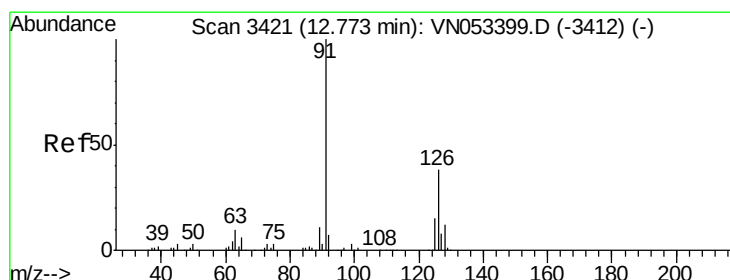
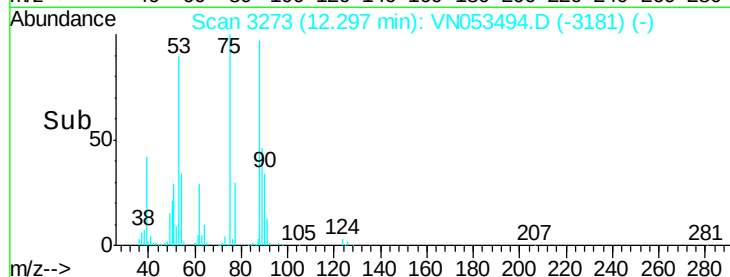
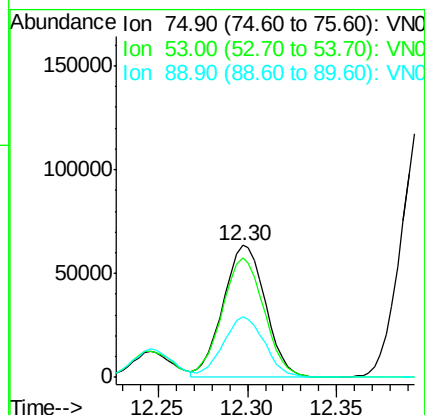
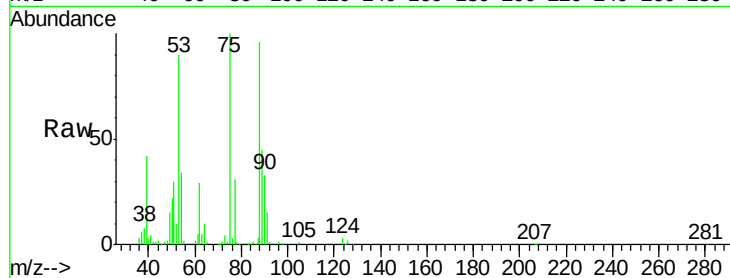
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	105272
Ion	Ratio	Lower	Upper
75	100		
53	90.1	69.8	104.6
89	44.7	35.6	53.4

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#82

4-Chlorotoluene

Concen: 51.574 ug/l

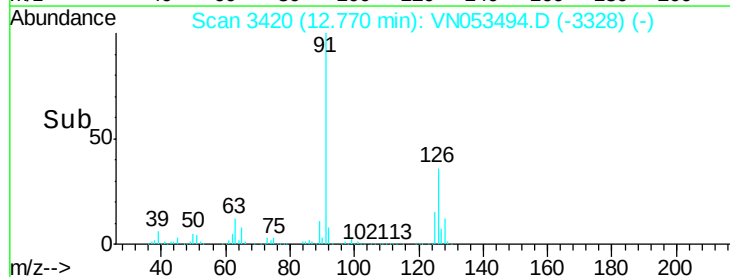
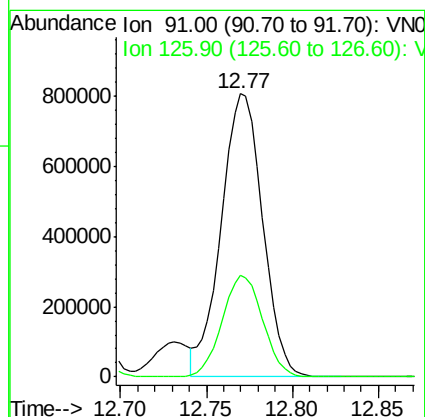
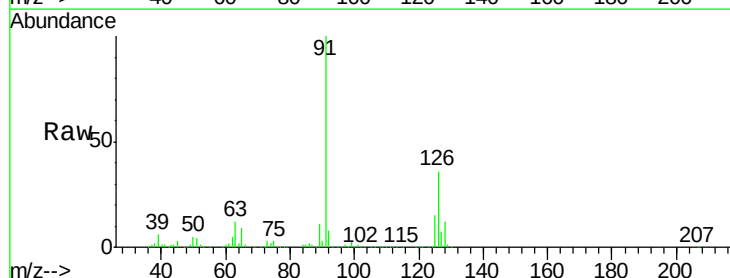
RT: 12.77 min Scan# 3420

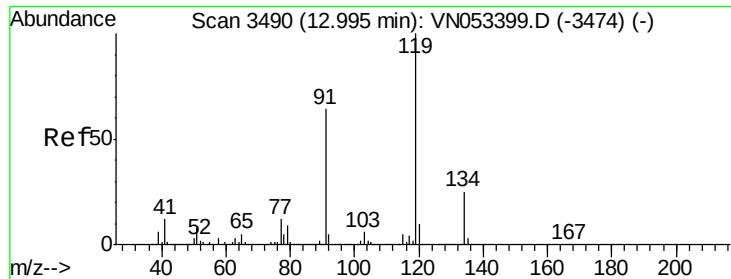
Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Tgt Ion:	91	Resp:	1349438
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.9





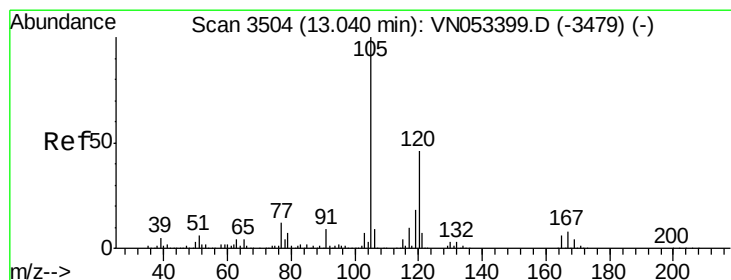
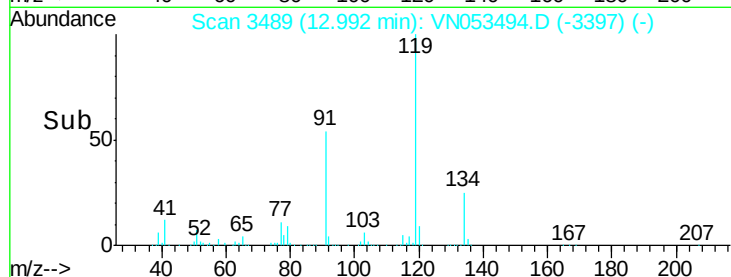
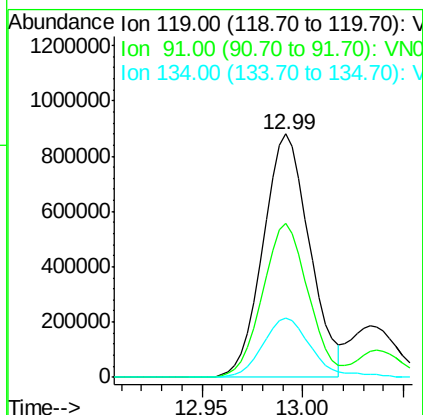
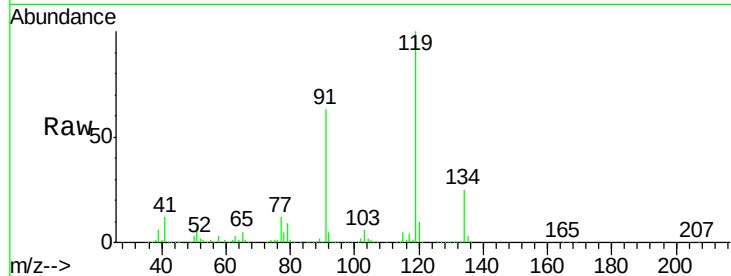
#83
 tert-Butylbenzene
 Concen: 52.012 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
119	100			
91	62.6	31.3	93.8	
134	25.7	12.9	38.7	

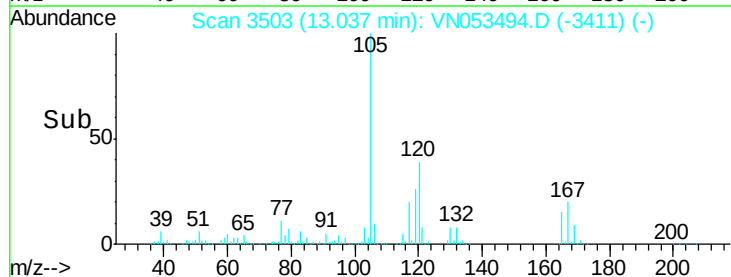
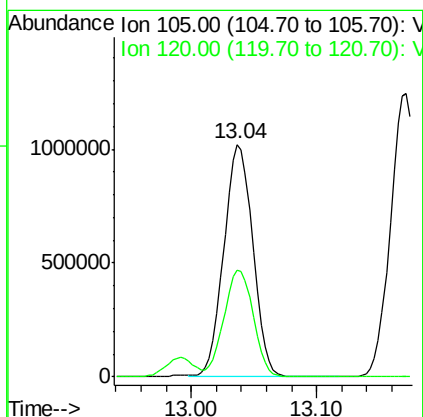
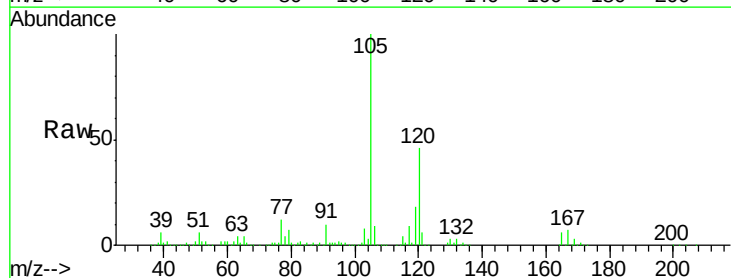
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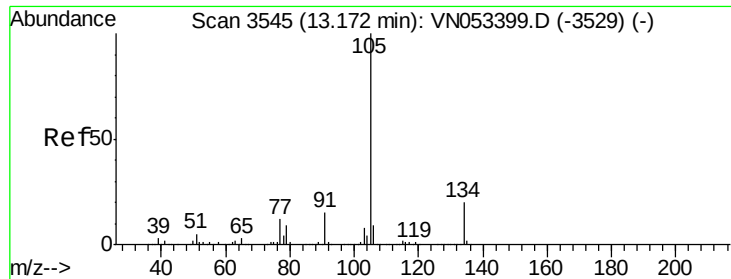
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.789 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	46.4	23.0	69.0	





#85

sec-Butylbenzene

Concen: 53.146 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1975146

Ion Ratio Lower Upper

105 100

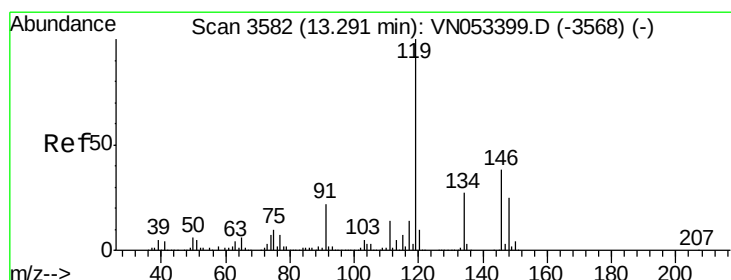
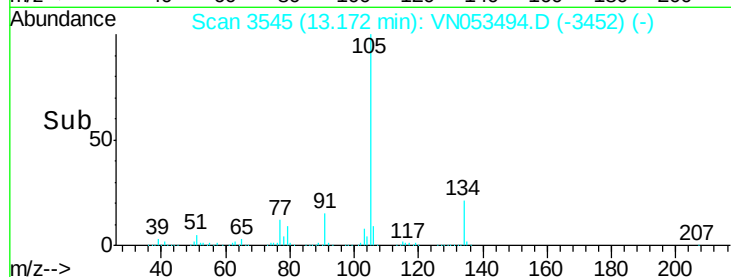
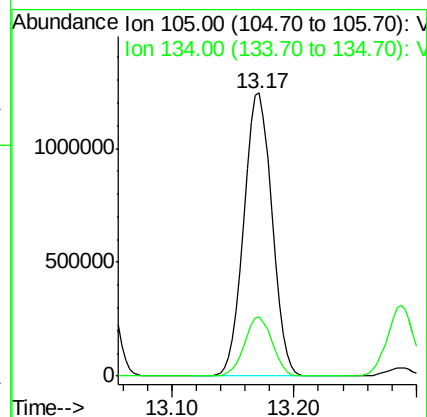
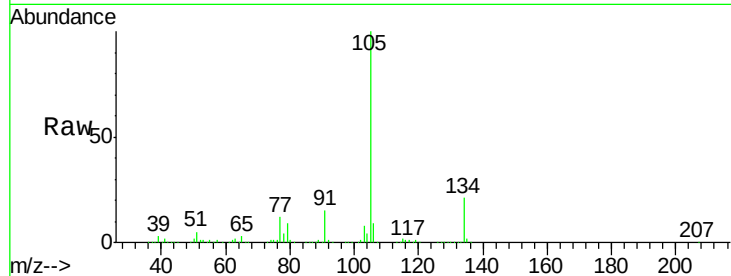
134 20.7 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 54.702 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

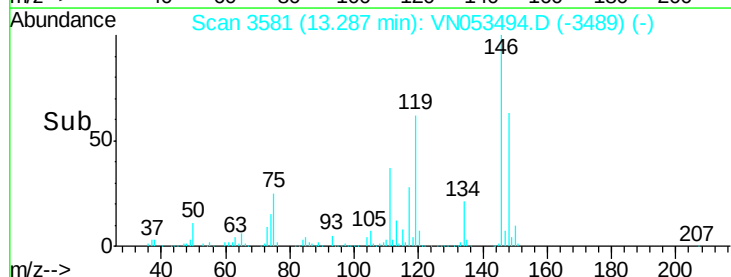
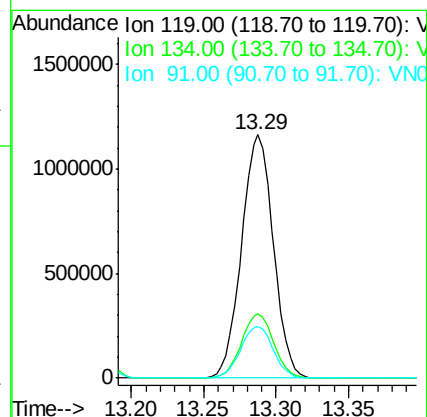
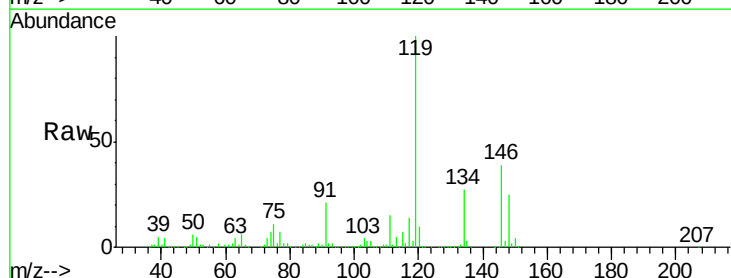
Tgt Ion:119 Resp: 1765221

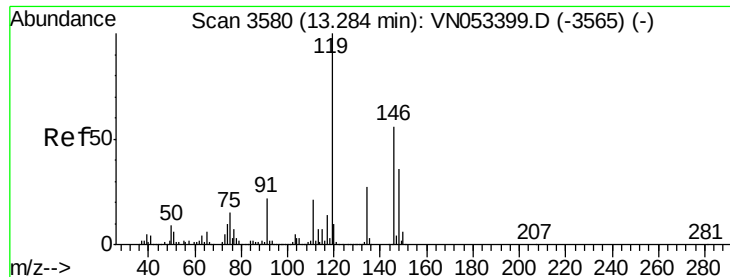
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 21.6 11.0 33.0





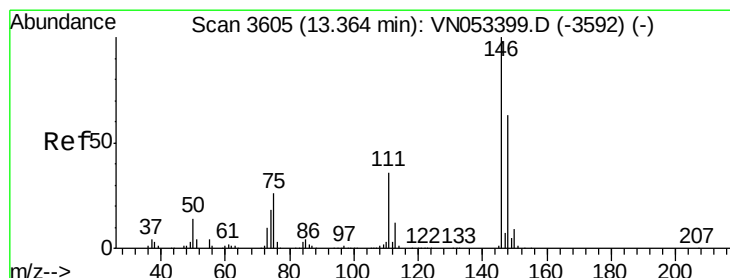
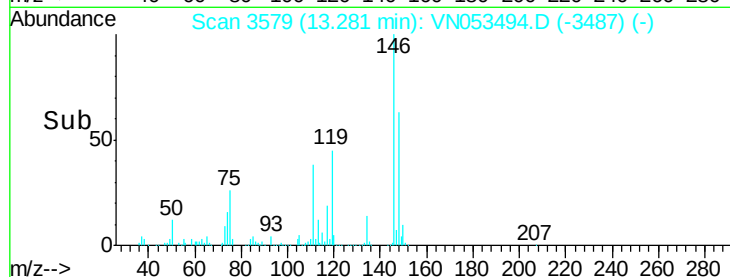
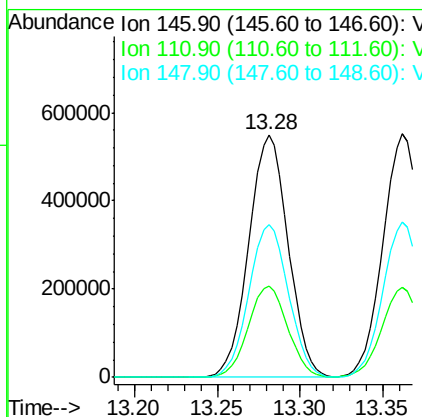
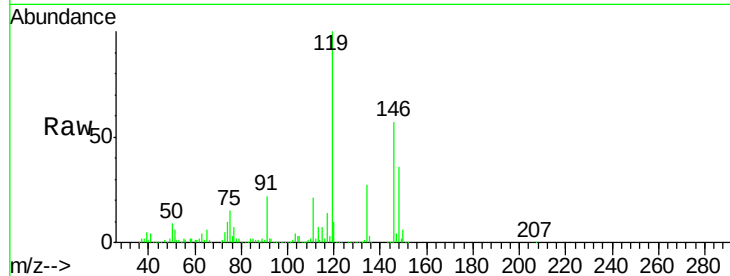
#87
 1,3-Dichlorobenzene
 Concen: 51.858 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.3
148	63.6	32.0	96.2

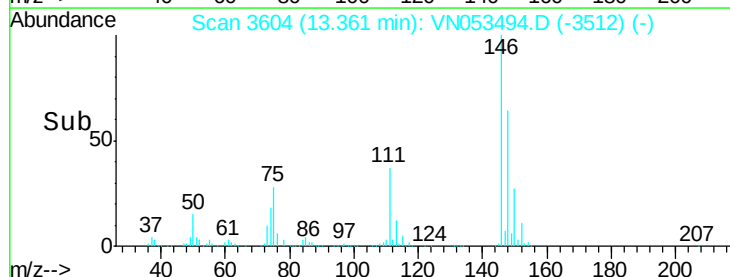
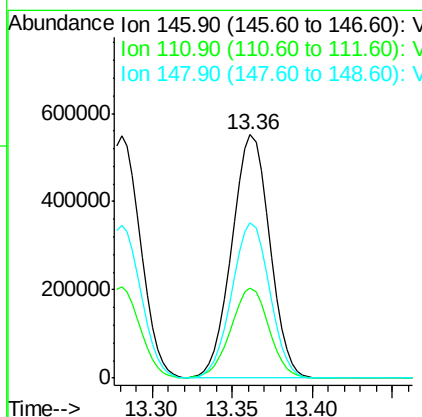
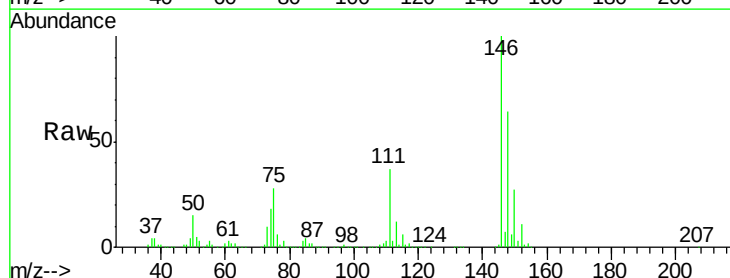
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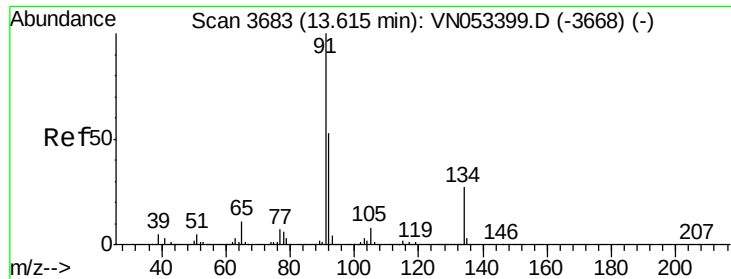
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#88
 1,4-Dichlorobenzene
 Concen: 50.743 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

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: 55.007 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

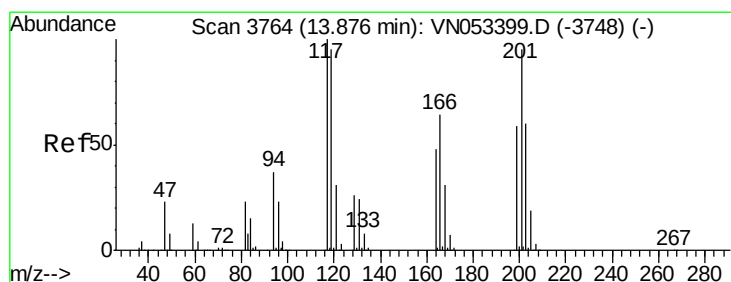
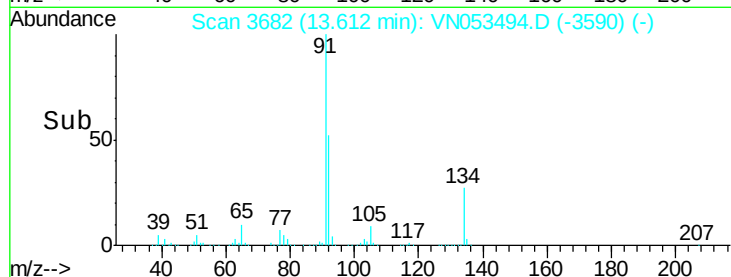
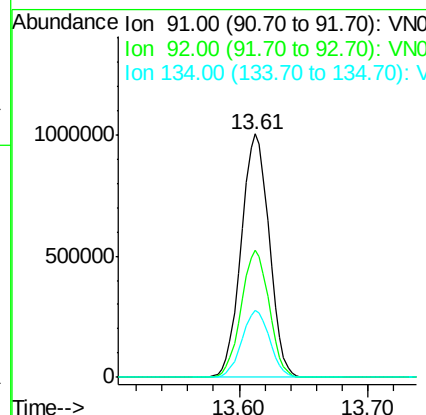
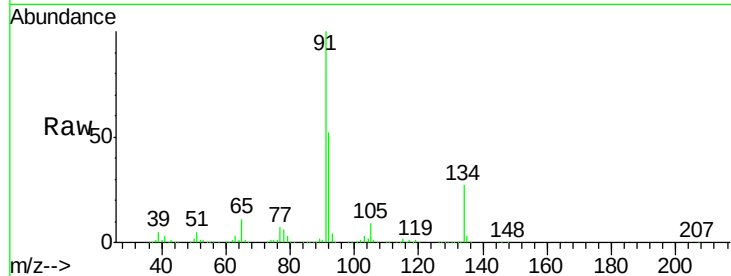
ClientSampled :

VSTDCCC050

Tot Ion:	91	Resp:	1513071
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.8
134	27.3	13.5	40.5

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#90

Hexachloroethane

Concen: 54.432 ug/l

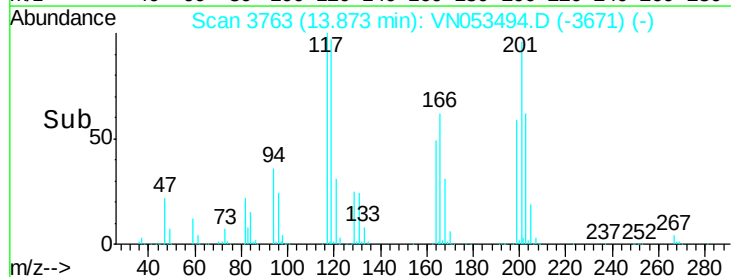
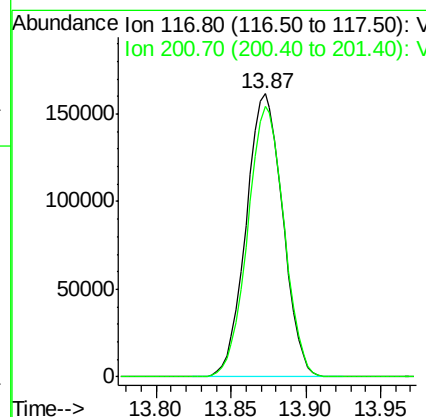
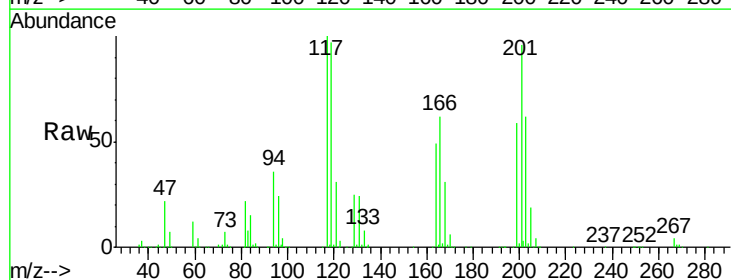
RT: 13.87 min Scan# 3763

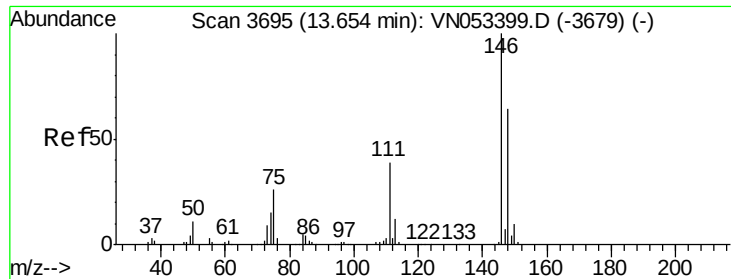
Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Tgt Ion:	117	Resp:	275480
Ion	Ratio	Lower	Upper
117	100		
201	94.4	46.8	140.4





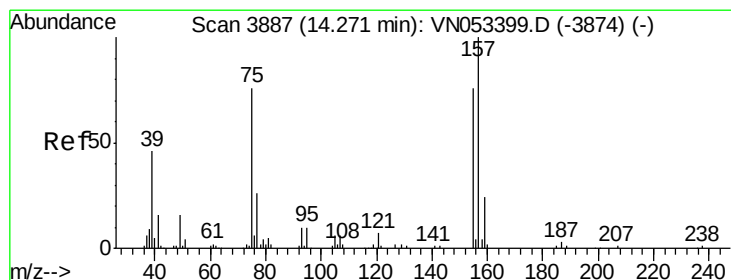
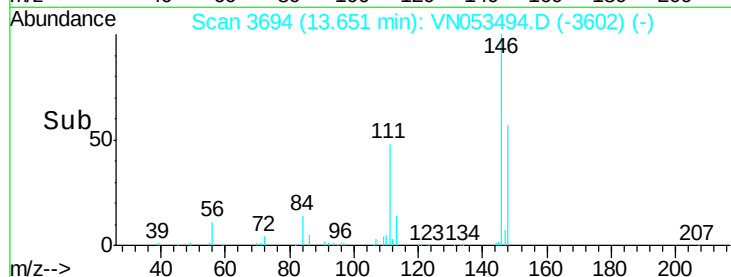
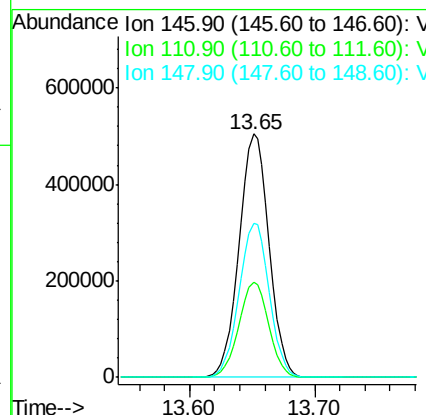
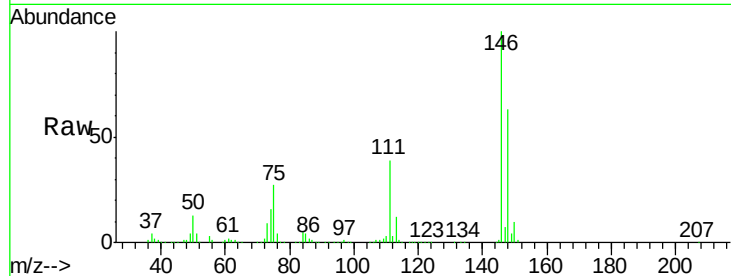
#91
 1,2-Dichlorobenzene
 Concen: 51.896 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.5	58.5
148	63.9	31.9	95.9

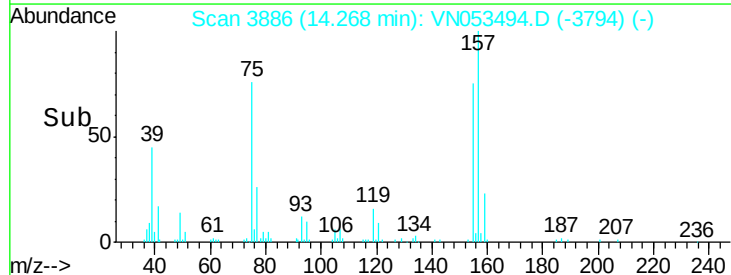
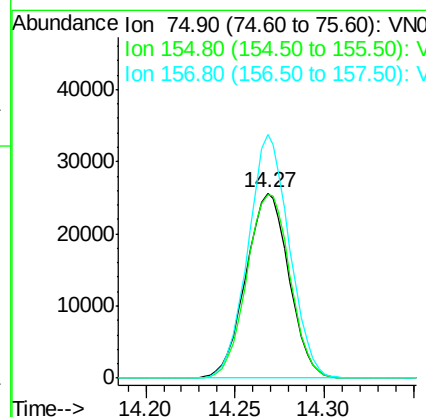
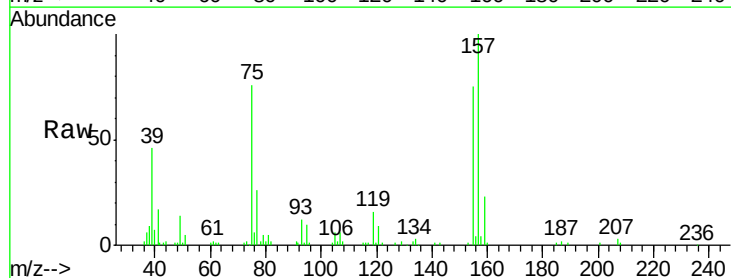
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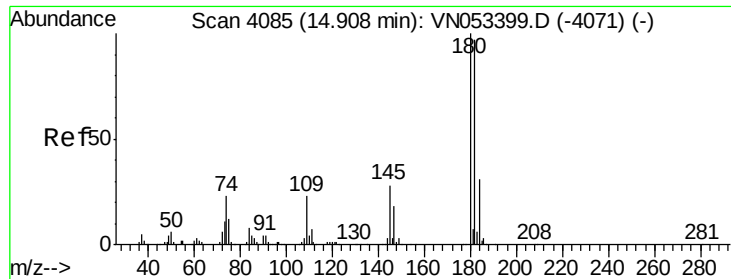
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.282 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053494.D
 Acq: 21 Jan 2019 9:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.3	48.9	146.7
157	125.9	63.7	191.3





#93

1,2,4-Trichlorobenzene

Concen: 48.367 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

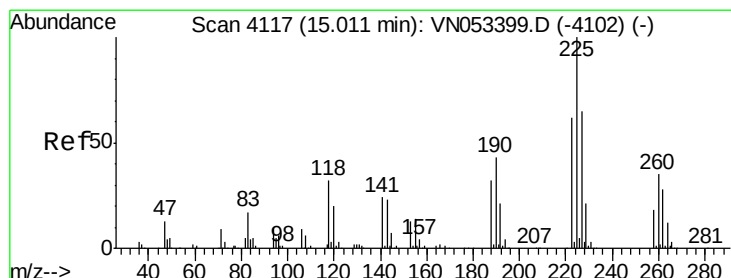
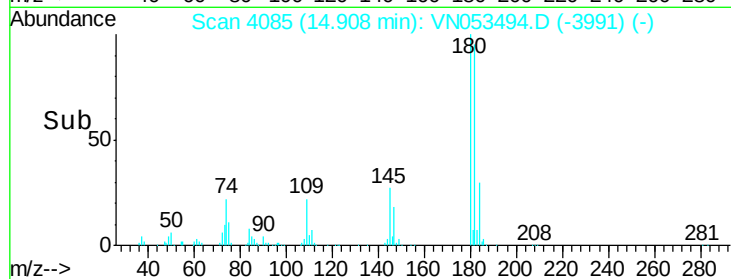
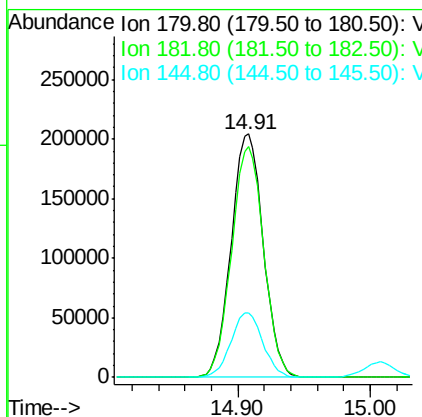
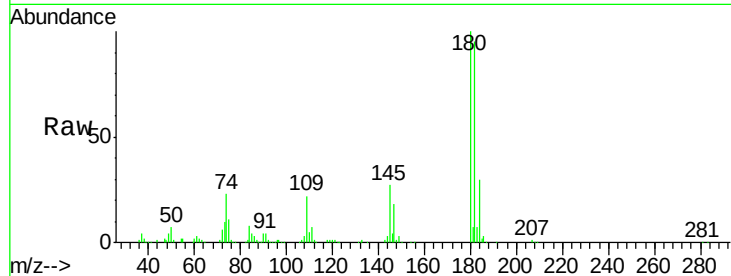
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	342492
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.1	144.3
145	26.6	13.9	41.6

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 59.023 ug/l

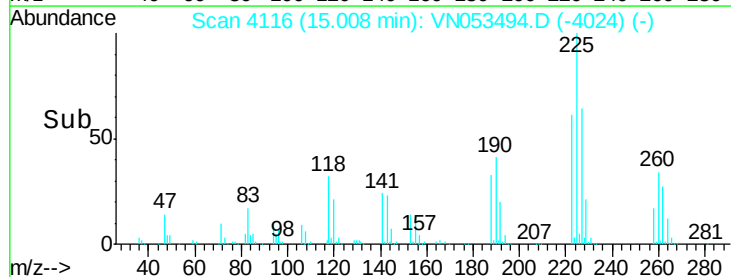
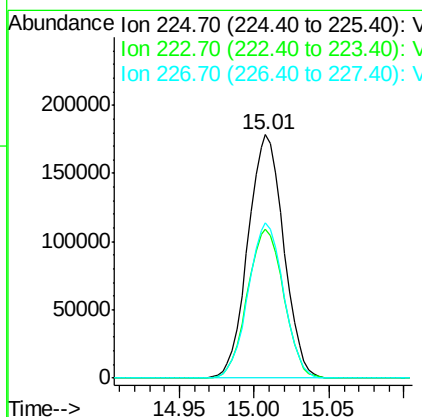
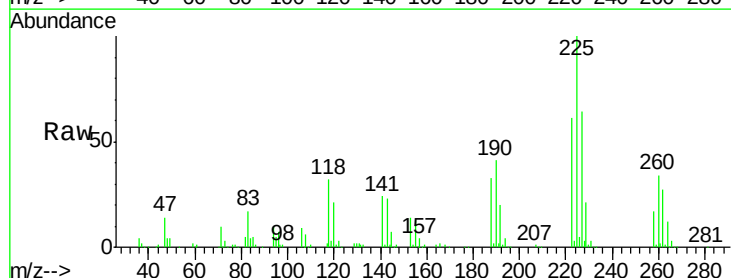
RT: 15.01 min Scan# 4116

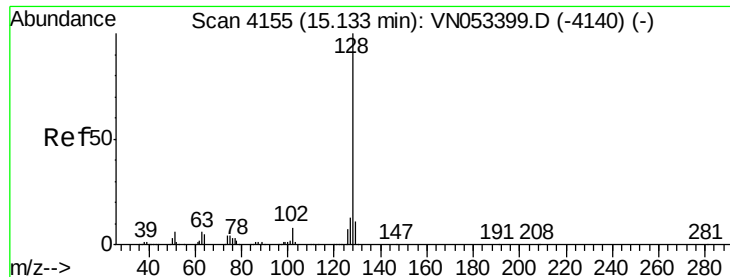
Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Tgt Ion:	225	Resp:	296076
Ion Ratio	Lower	Upper	
225	100		
223	62.2	31.1	93.2
227	63.2	32.0	96.2





#95

Naphthalene

Concen: 38.006 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Instrument :

MSVOA_N

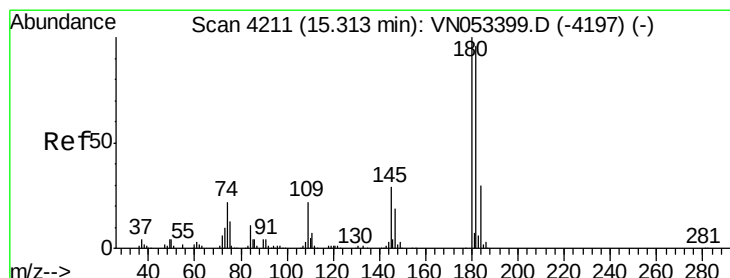
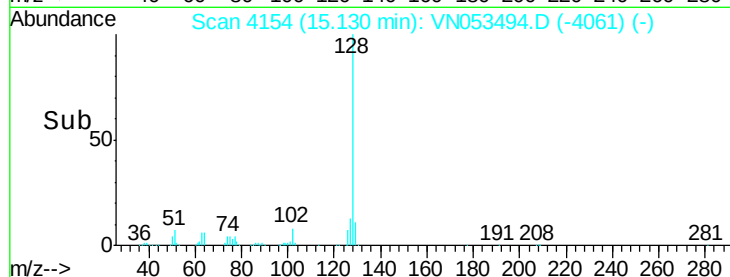
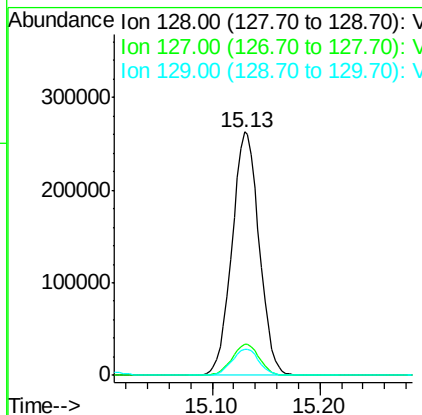
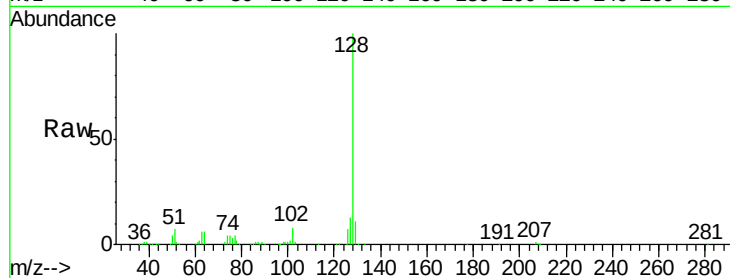
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	460347
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/22/2019 9:47:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 43.272 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053494.D

Acq: 21 Jan 2019 9:27

Tgt Ion:	180	Resp:	221699
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.9	143.8
145	28.2	14.7	44.1

