

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122118\
 Data File : VN053099.D
 Acq On : 21 Dec 2018 13:21
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/22/2018 10:06:26 AM

Quant Time: Dec 22 01:25:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1183779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1741244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1574917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	771748	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	655020	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
35) Dibromofluoromethane	7.59	113	523941	65.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.74%	
50) Toluene-d8	10.09	98	2326369	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	
62) 4-Bromofluorobenzene	12.40	95	841513	56.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	488101	40.740	ug/l	99
3) Chloromethane	2.06	50	580976	40.017	ug/l	99
4) Vinyl Chloride	2.19	62	589851	40.116	ug/l	100
5) Bromomethane	2.57	94	362879	35.622	ug/l	99
6) Chloroethane	2.71	64	352919	40.527	ug/l	97
7) Trichlorofluoromethane	3.02	101	765019	41.766	ug/l	100
8) Diethyl Ether	3.41	74	302170	43.729	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	498436	42.679	ug/l	98
10) Methyl Iodide	3.96	142	629225	38.366	ug/l	99
11) Tert butyl alcohol	4.78	59	192626	262.794	ug/l	98
12) 1,1-Dichloroethene	3.74	96	465641	41.269	ug/l	98
13) Acrolein	3.61	56	179910	270.690	ug/l	100
14) Allyl chloride	4.33	41	726515	41.570	ug/l	98
15) Acrylonitrile	4.99	53	959985	235.744	ug/l	99
16) Acetone	3.82	43	581273	246.784	ug/l	96
17) Carbon Disulfide	4.06	76	1317342	35.801	ug/l	99
18) Methyl Acetate	4.33	43	506211	47.404	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1359450	45.024	ug/l	99
20) Methylene Chloride	4.55	84	533690	41.538	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	502054	41.415	ug/l	97
22) Diisopropyl ether	5.95	45	1637609	43.898	ug/l	98
23) Vinyl Acetate	5.90	43	5016190	233.840	ug/l	98
24) 1,1-Dichloroethane	5.85	63	938315	42.328	ug/l	99
25) 2-Butanone	6.83	43	1028113	260.089	ug/l	98
26) 2,2-Dichloropropane	6.83	77	710319	41.976	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	576382	41.998	ug/l	99
28) Bromochloromethane	7.20	49	461566	48.052	ug/l	95
29) Tetrahydrofuran	7.21	42	723757	245.149	ug/l	97
30) Chloroform	7.37	83	921770	42.329	ug/l	99
31) Cyclohexane	7.66	56	869674	41.655	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	771068	41.566	ug/l	99
36) 1,1-Dichloropropene	7.80	75	717452	42.928	ug/l	99
37) Ethyl Acetate	6.93	43	478969	51.337	ug/l	99
38) Carbon Tetrachloride	7.78	117	660625	43.125	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	864571	42.584	ug/l	98
40) Benzene	8.04	78	2149315	43.235	ug/l	99
41) Methacrylonitrile	7.17	41	275739	51.150	ug/l	93
42) 1,2-Dichloroethane	8.13	62	647838	44.113	ug/l	98
43) Isopropyl Acetate	8.17	43	868265	48.049	ug/l	99
44) Trichloroethene	8.84	130	595034	41.383	ug/l	99
45) 1,2-Dichloropropane	9.12	63	570452	44.055	ug/l	99
46) Dibromomethane	9.21	93	336984	44.674	ug/l	98
47) Bromodichloromethane	9.40	83	708565	44.191	ug/l	99
48) Methyl methacrylate	9.20	41	434881	48.034	ug/l	97
49) 1,4-Dioxane	9.20	88	115283	1006.634	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2345972	259.644	ug/l	99
52) Toluene	10.16	92	1344875	43.646	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	742158	44.017	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	849156	43.877	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	494005	45.955	ug/l	98
56) Ethyl methacrylate	10.43	69	691982	48.634	ug/l	97
57) 1,3-Dichloropropane	10.71	76	836304	45.368	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1335512	170.973	ug/l	98
59) 2-Hexanone	10.75	43	1627367	266.207	ug/l	99
60) Dibromochloromethane	10.90	129	546461	44.410	ug/l	99
61) 1,2-Dibromoethane	11.01	107	496960	45.520	ug/l	100
64) Tetrachloroethene	10.63	164	651686	38.200	ug/l	99
65) Chlorobenzene	11.44	112	1488589	42.639	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	520926	42.909	ug/l	100
67) Ethyl Benzene	11.51	91	2593250	43.193	ug/l	100
68) m/p-Xylenes	11.62	106	1973898	86.483	ug/l	99
69) o-Xylene	11.95	106	964675	44.046	ug/l	99
70) Styrene	11.96	104	1599930	44.800	ug/l	100
71) Bromoform	12.13	173	392504	44.753	ug/l #	100
73) Isopropylbenzene	12.25	105	2561168	42.416	ug/l	100
74) N-amyl acetate	12.07	43	803075	47.904	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	595683	50.285	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	528745m	40.699	ug/l	
77) Bromobenzene	12.53	156	665565	42.403	ug/l	100
78) n-propylbenzene	12.59	91	2929344	42.596	ug/l	100
79) 2-Chlorotoluene	12.68	91	1719830	40.346	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2066075	41.979	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	183401	45.500	ug/l	97
82) 4-Chlorotoluene	12.77	91	1781846	42.701	ug/l	100
83) tert-Butylbenzene	12.99	119	1803955	41.444	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2085322	42.147	ug/l	99
85) sec-Butylbenzene	13.17	105	2463621	41.844	ug/l	100
86) p-Isopropyltoluene	13.29	119	2148116	42.225	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1169755	42.108	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1162285	41.315	ug/l	100
89) n-Butylbenzene	13.62	91	1806406	41.273	ug/l	100
90) Hexachloroethane	13.88	117	334025	42.785	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1121882	42.910	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	95628	46.687	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	571684	41.375	ug/l	100
94) Hexachlorobutadiene	15.01	225	354117	49.336	ug/l	99
95) Naphthalene	15.14	128	1267328	41.955	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	516852	41.522	ug/l	100

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

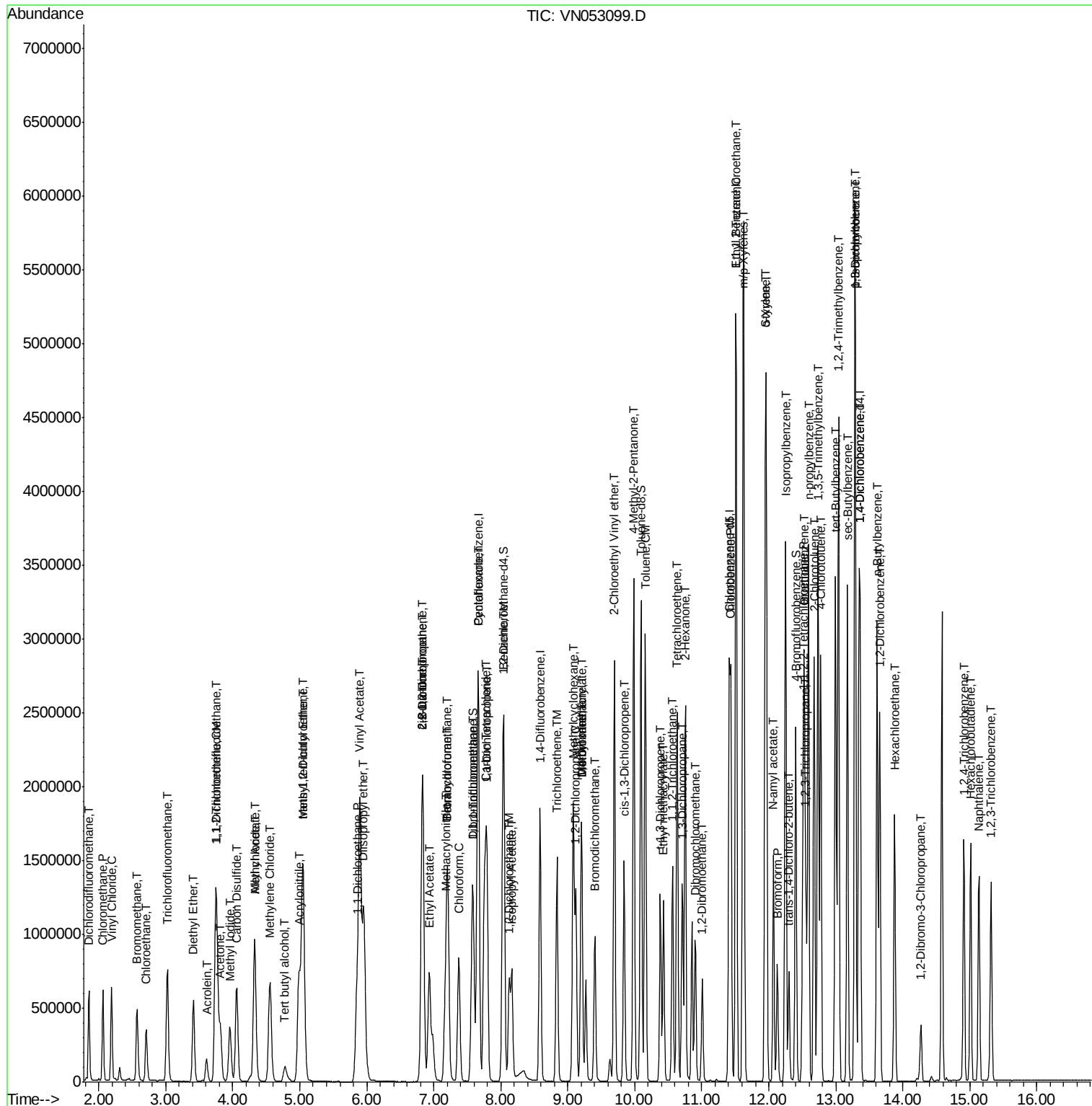
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Data File : VN053099.D
Acq On : 21 Dec 2018 13:21
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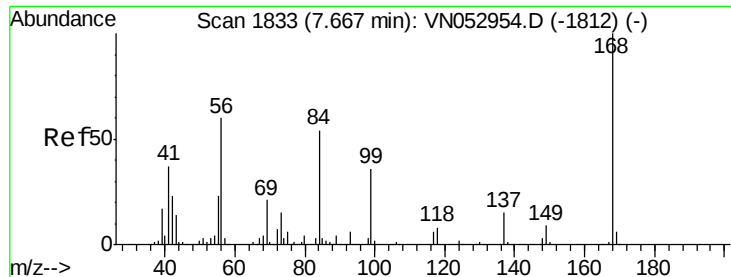
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 1183779

Ion Ratio Lower Upper

168 100

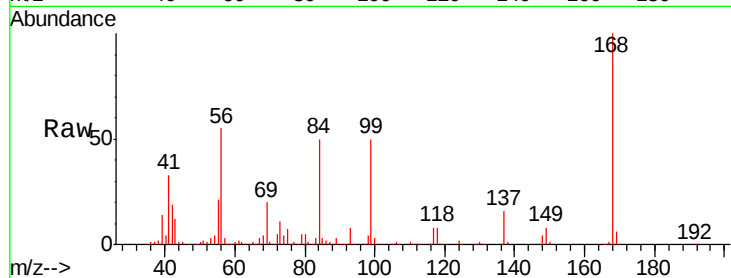
99 49.9 40.2 60.2

Manual Integrations

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12/22/2018 10:06:26 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

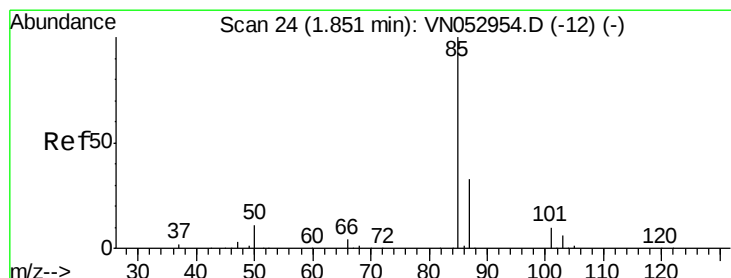
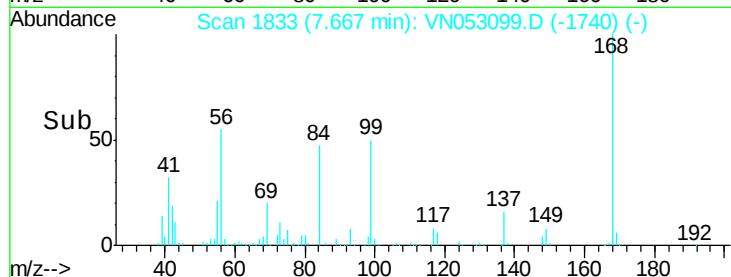
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 40.740 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053099.D

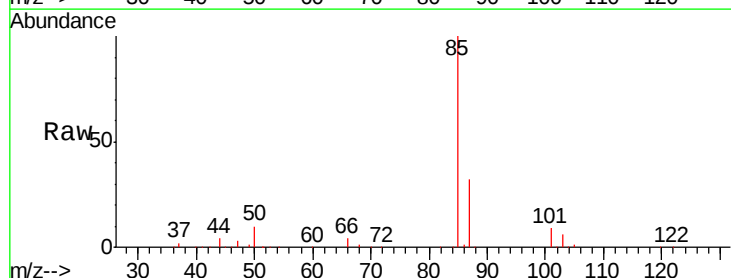
Acq: 21 Dec 2018 13:21

Tgt Ion: 85 Resp: 488101

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

400000

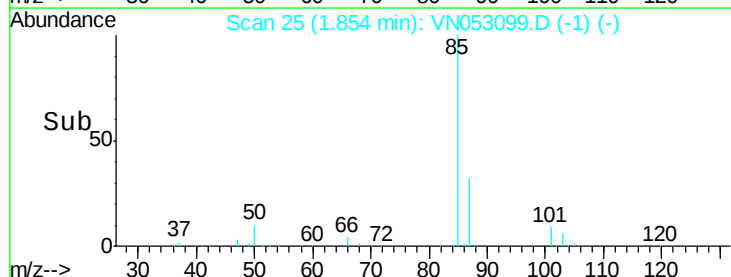
300000

200000

100000

0

Time-->





#3

Chloromethane

Concen: 40.017 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 580976

Ion Ratio Lower Upper

50 100

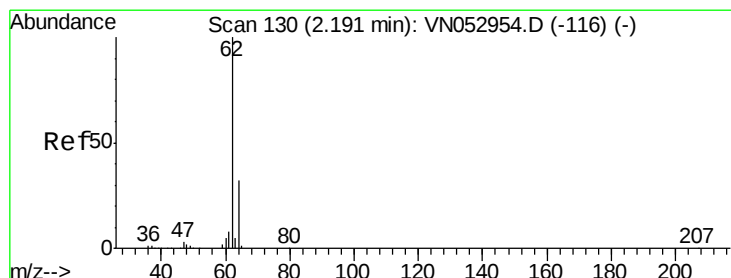
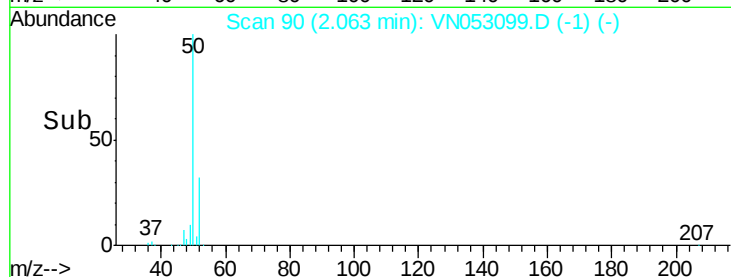
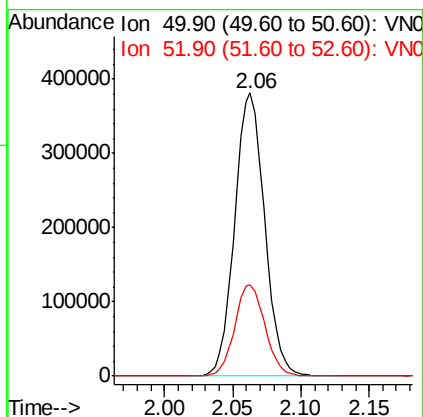
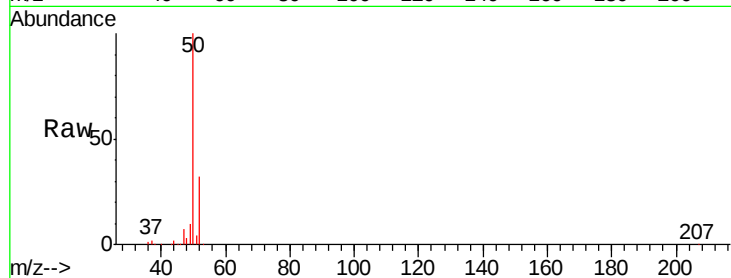
52 32.5 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 40.116 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053099.D

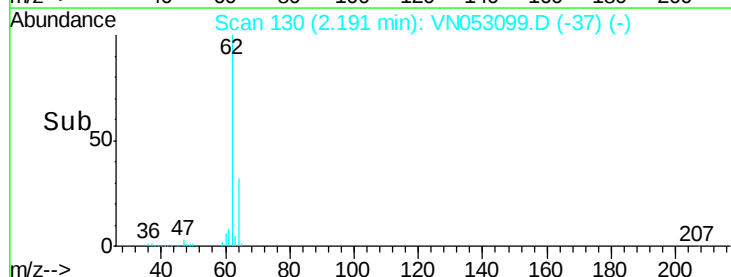
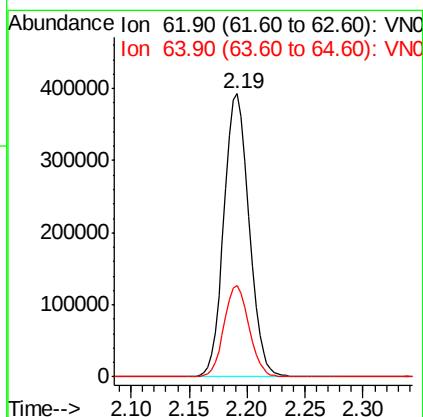
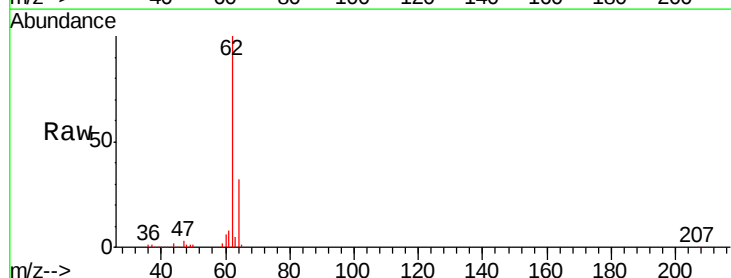
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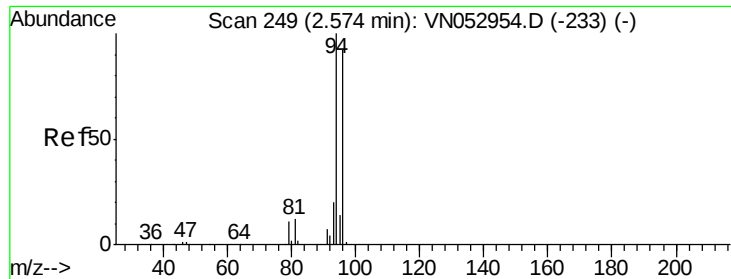
Tgt Ion: 62 Resp: 589851

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 35.622 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 362879

Ion Ratio Lower Upper

94 100

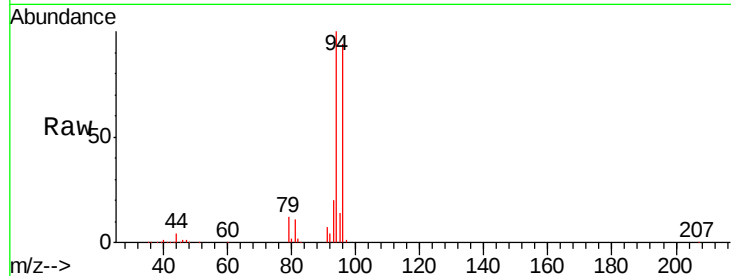
96 94.3 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

200000

150000

100000

50000

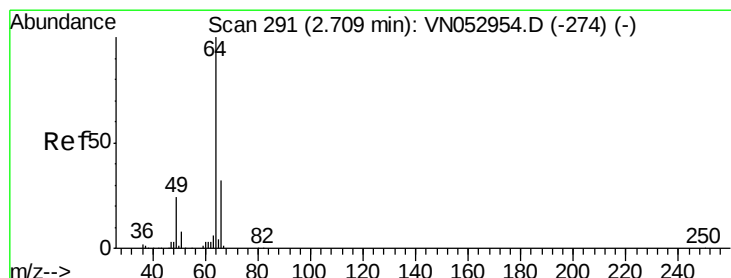
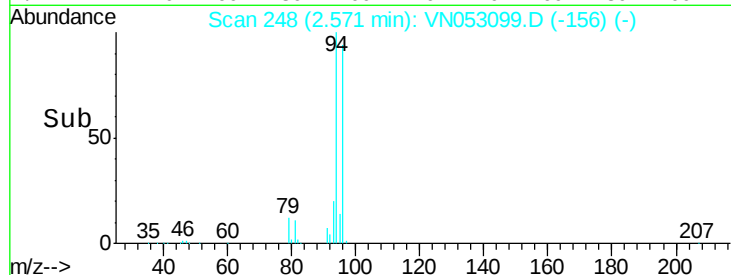
0

2.50

2.60

2.70

Time-->



#6

Chloroethane

Concen: 40.527 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053099.D

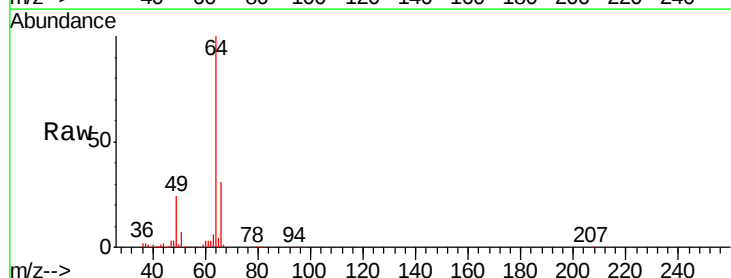
Acq: 21 Dec 2018 13:21

Tgt Ion: 64 Resp: 352919

Ion Ratio Lower Upper

64 100

66 31.0 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

200000

150000

100000

50000

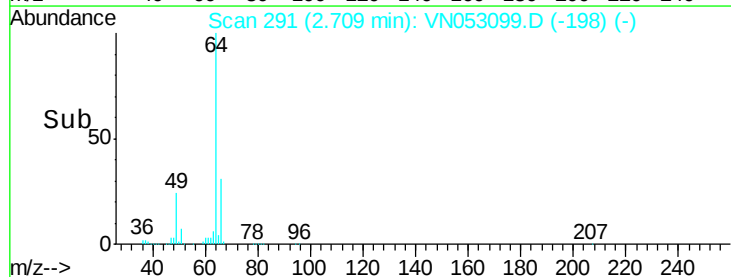
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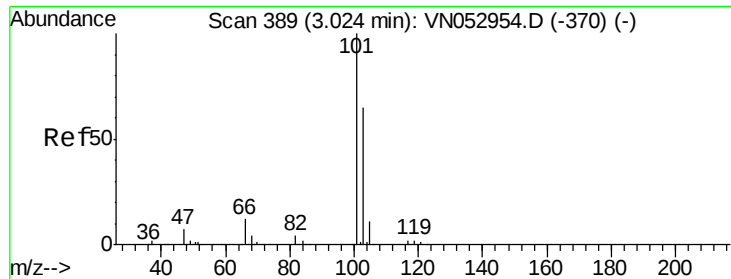
2.60

2.70

2.80

Time-->





#7

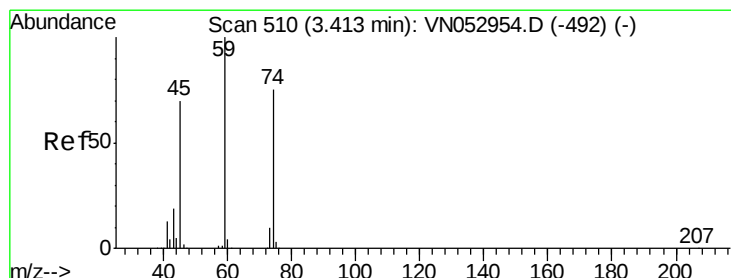
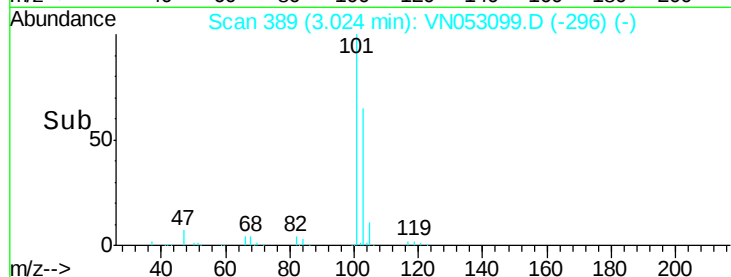
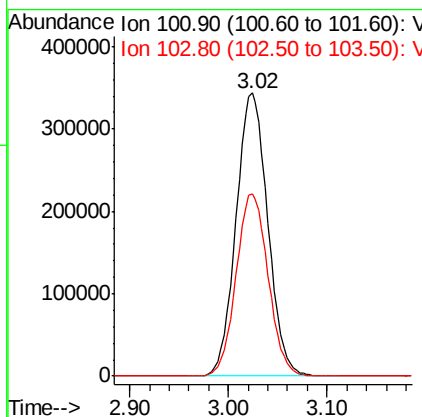
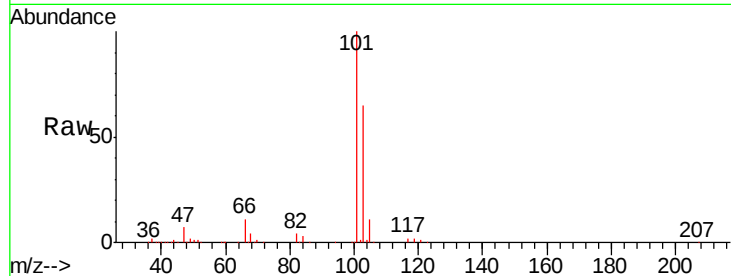
Trichlorofluoromethane
 Concen: 41.766 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Instrument :
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.8	77.6

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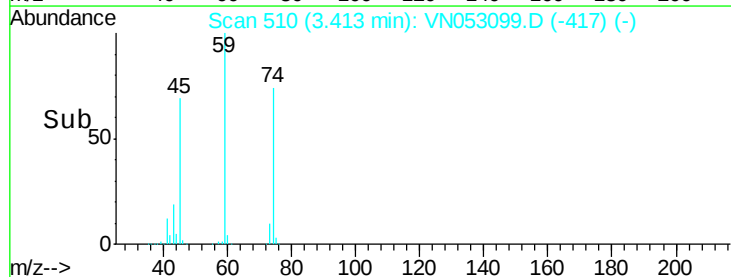
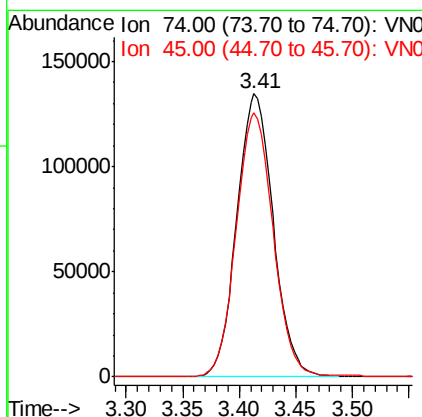
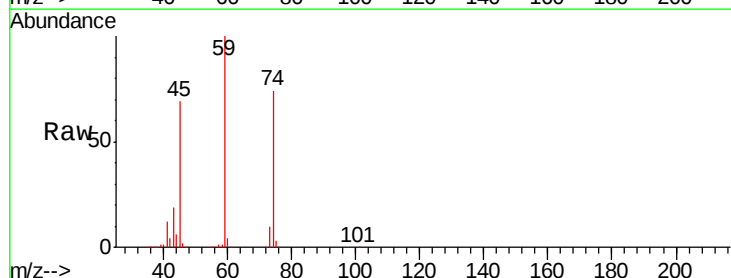
MMDadoda
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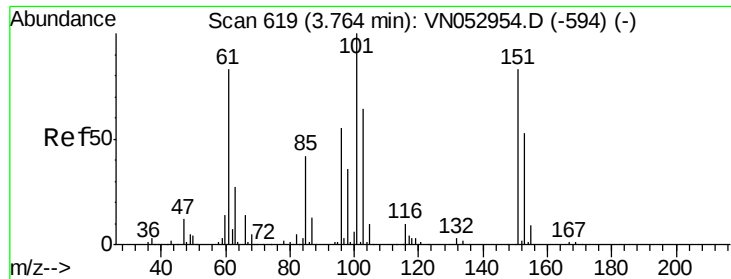


#8

Diethyl Ether
 Concen: 43.729 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.1	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.679 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

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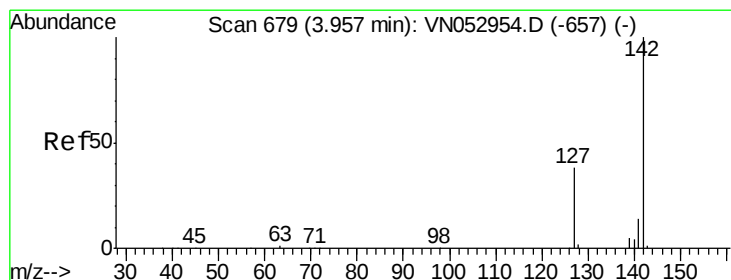
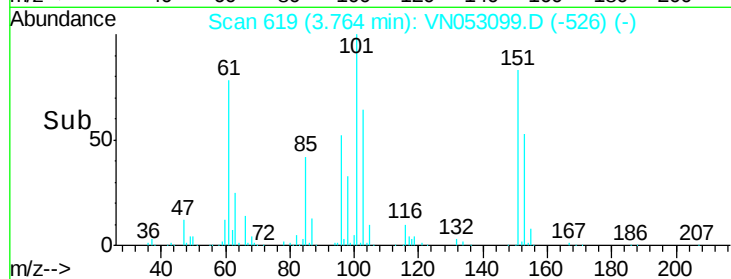
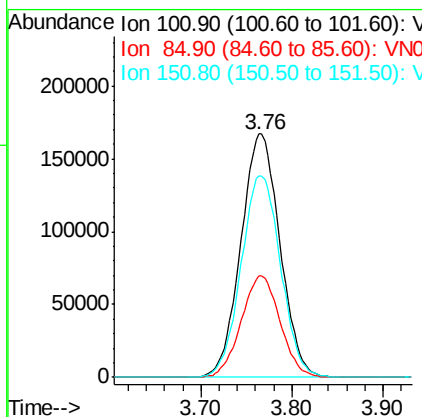
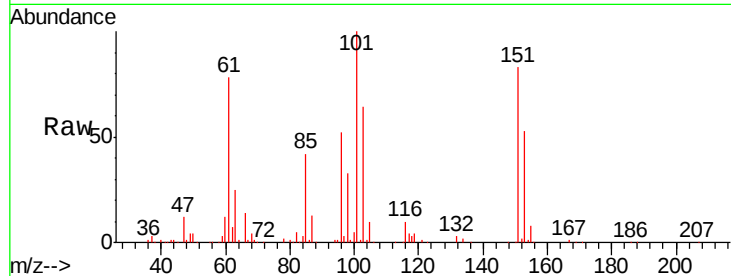
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	498436
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.6	50.4
151	84.0	65.5	98.3

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#10

Methyl Iodide

Concen: 38.366 ug/l

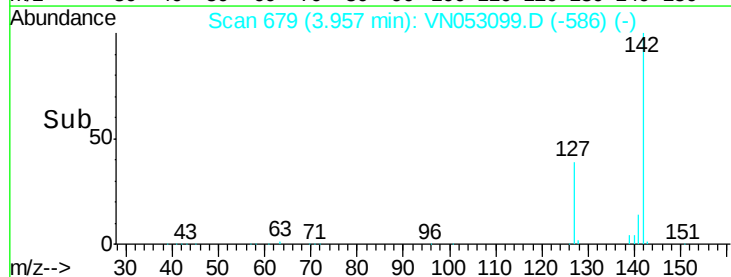
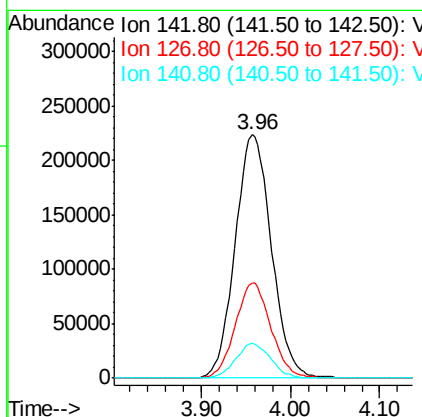
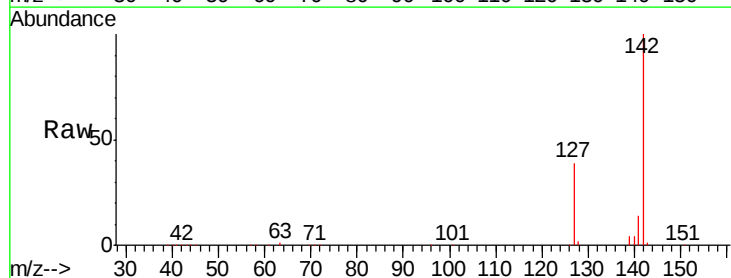
RT: 3.96 min Scan# 679

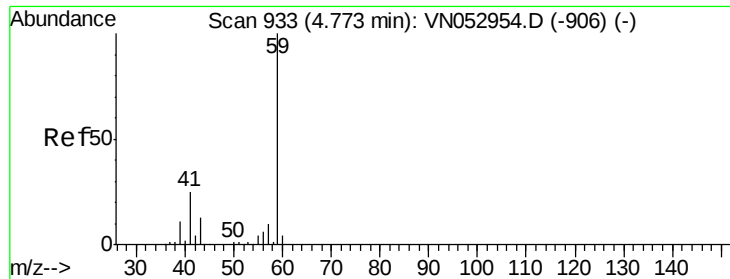
Delta R.T. -0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Tgt Ion:	142	Resp:	629225
Ion Ratio	Lower	Upper	
142	100		
127	38.4	31.0	46.6
141	13.9	11.2	16.8





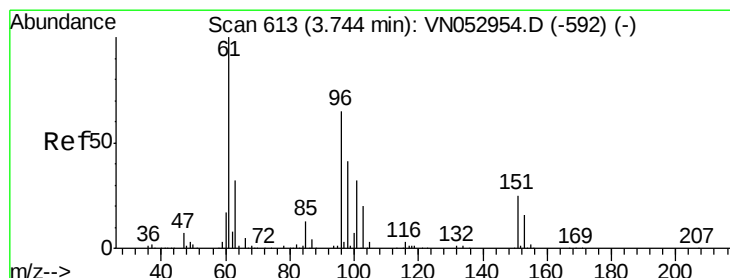
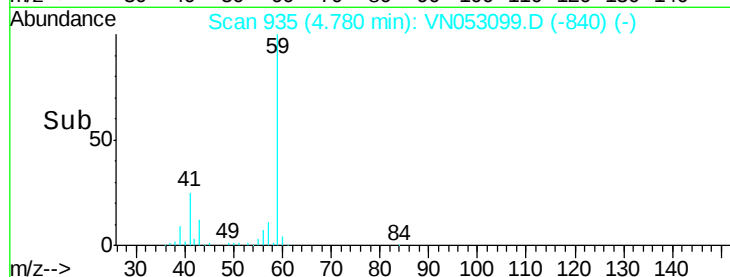
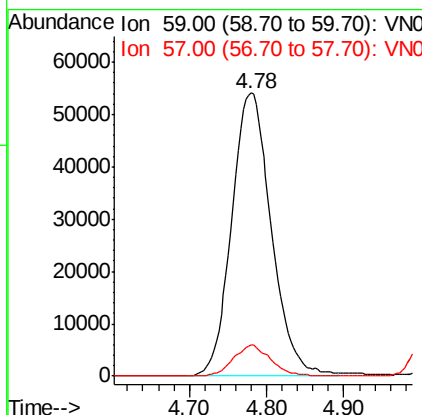
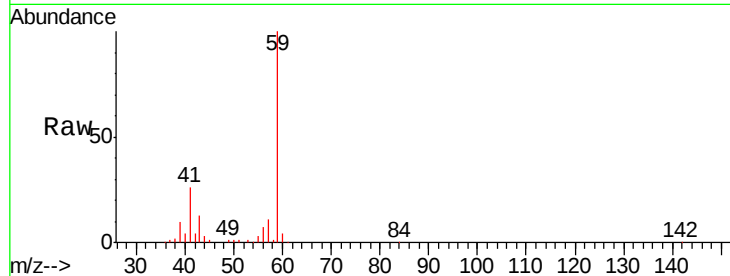
#11
Tert butyl alcohol
Concen: 262.794 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 192626
Ion Ratio Lower Upper
59 100
57 10.3 7.7 11.5

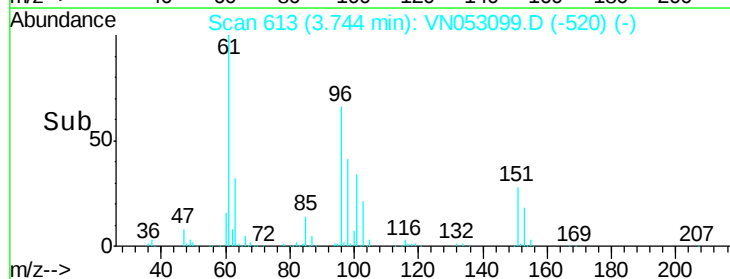
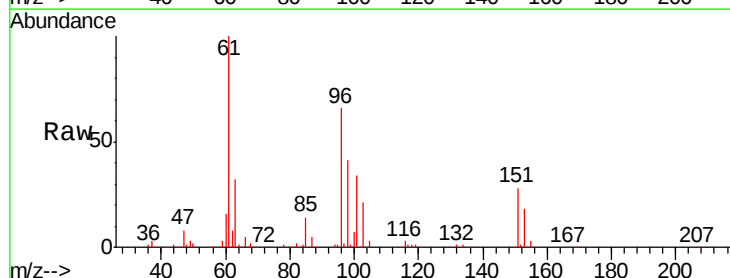
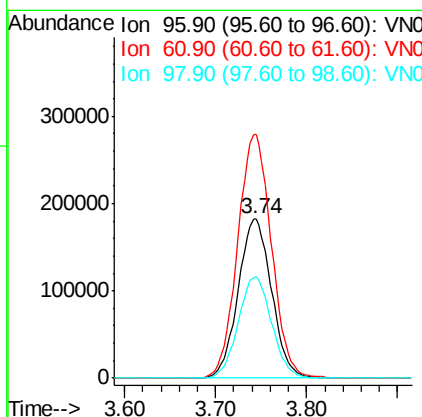
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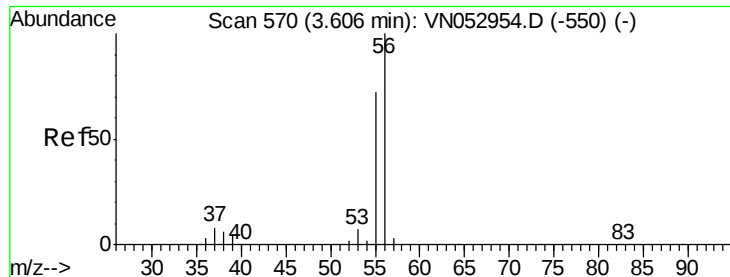
MMDadoda
12/22/2018 10:06:26 AM



#12
1,1-Dichloroethene
Concen: 41.269 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion: 96 Resp: 465641
Ion Ratio Lower Upper
96 100
61 152.5 125.6 188.4
98 63.3 50.6 75.8





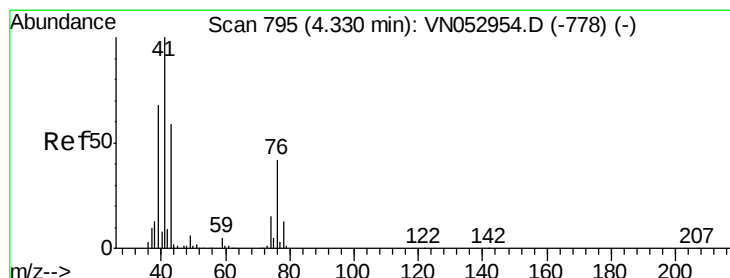
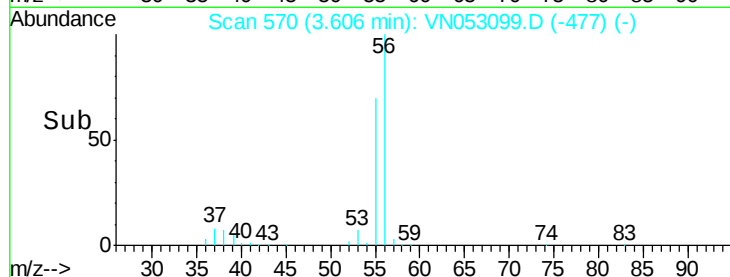
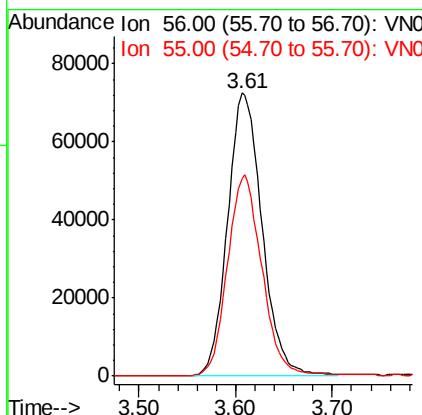
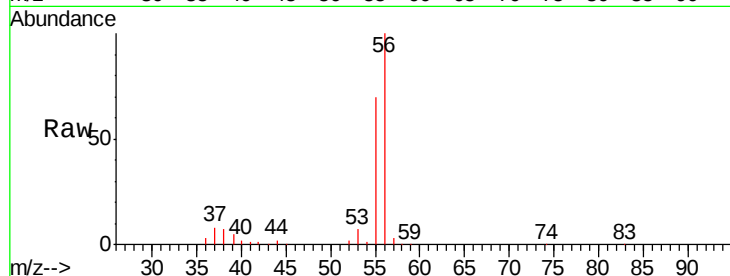
#13
Acrolein
Concen: 270.690 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
55	70.7	56.6	85.0

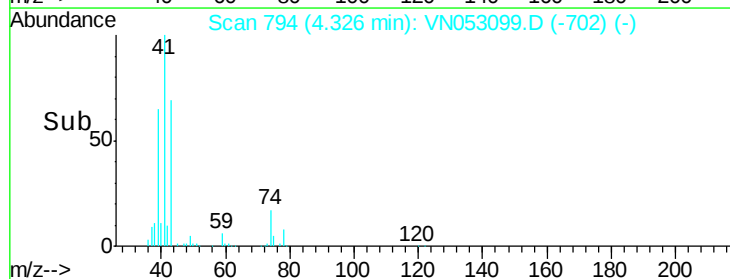
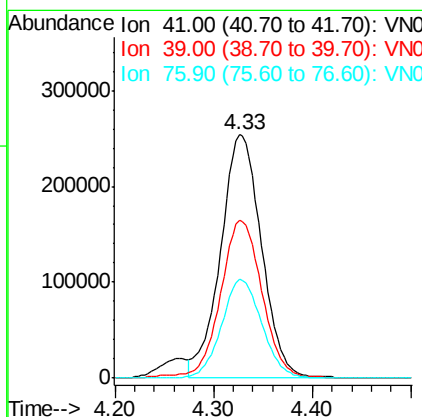
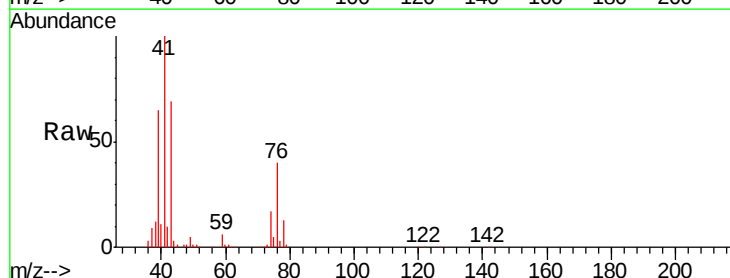
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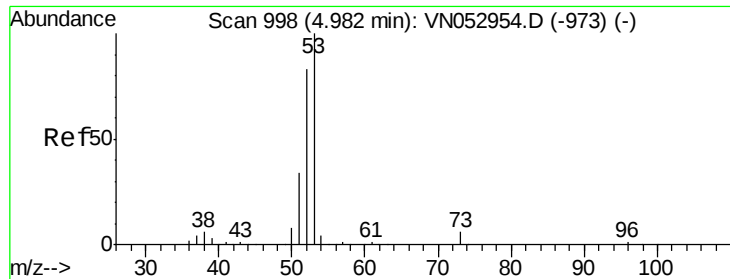
MMDadoda
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#14
Allyl chloride
Concen: 41.570 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.8	54.1	81.1
76	39.6	30.3	45.5





#15

Acrylonitrile

Concen: 235.744 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

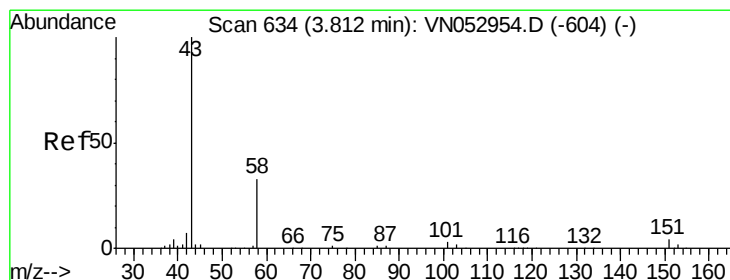
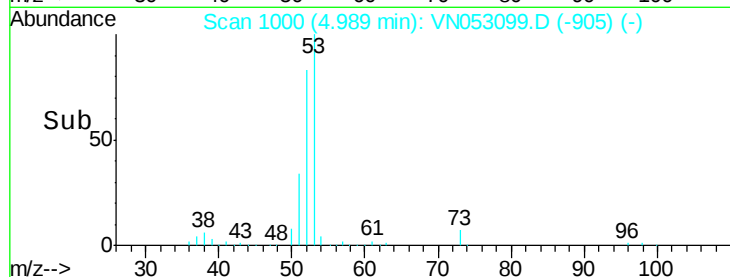
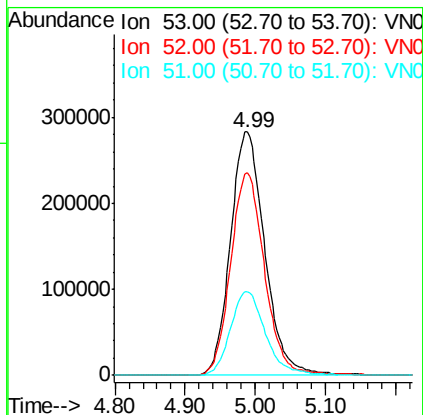
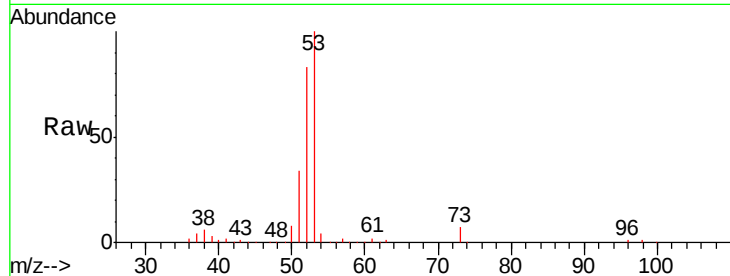
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	959985
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.1	97.7
51	35.1	28.1	42.1

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#16

Acetone

Concen: 246.784 ug/l

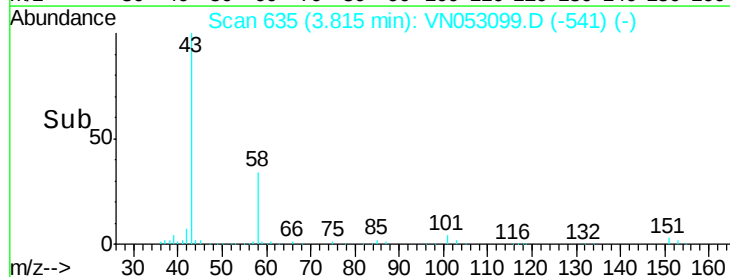
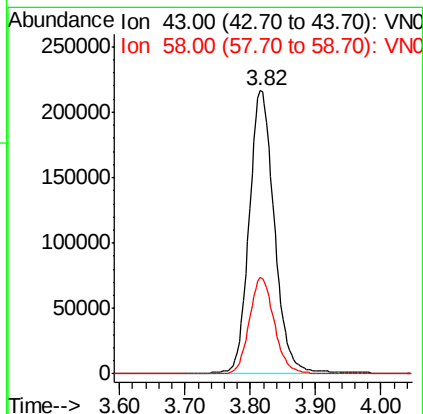
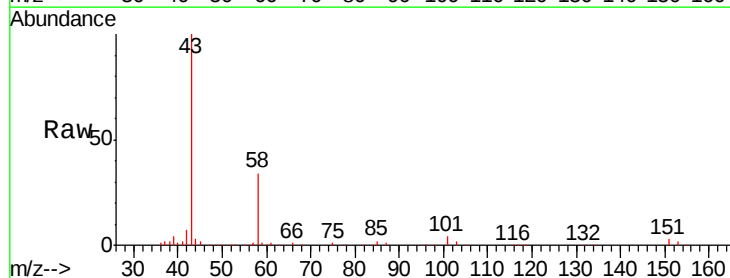
RT: 3.82 min Scan# 635

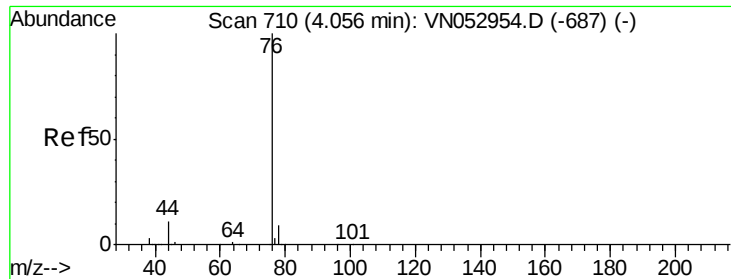
Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Tgt Ion:	43	Resp:	581273
Ion	Ratio	Lower	Upper
43	100		
58	33.9	25.4	38.0





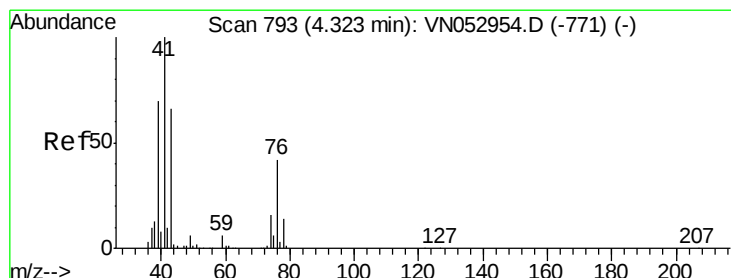
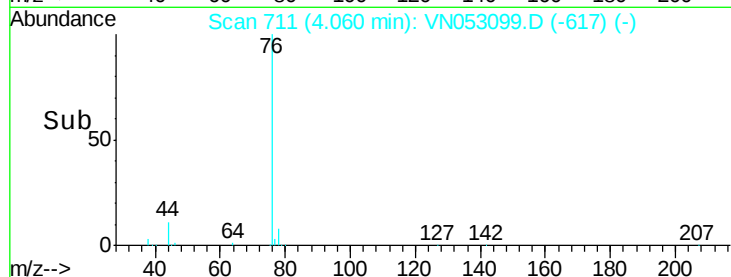
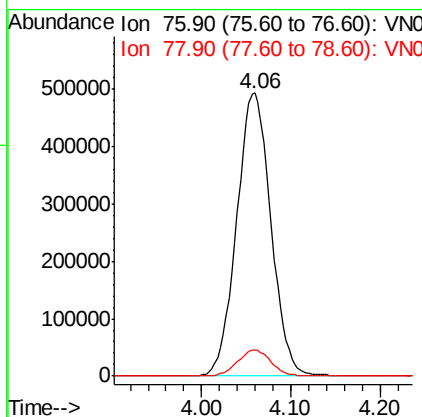
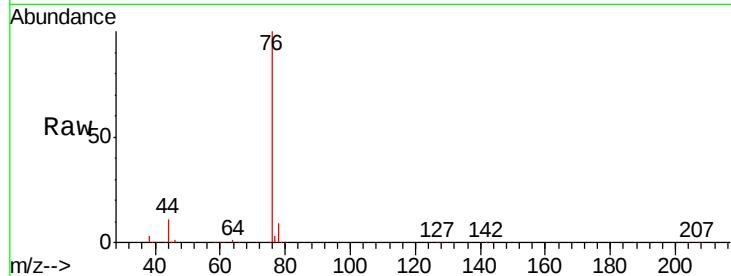
#17
Carbon Disulfide
Concen: 35.801 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 1317342
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7

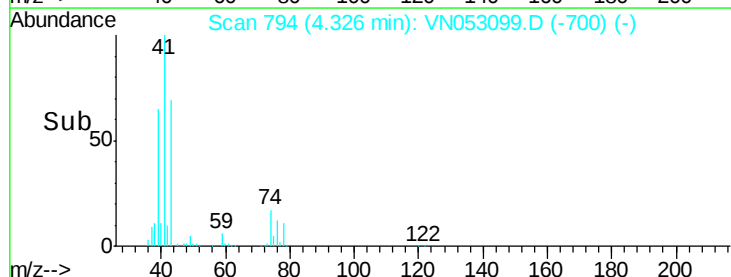
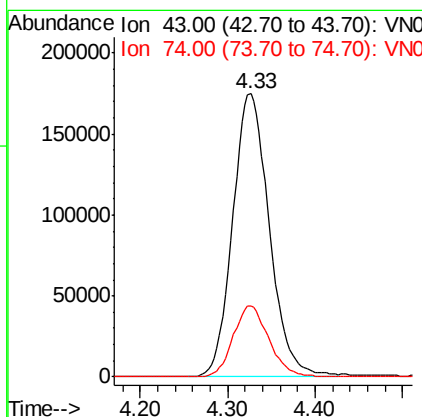
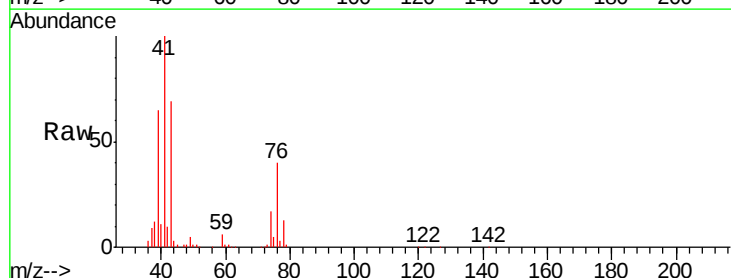
Manual Integrations
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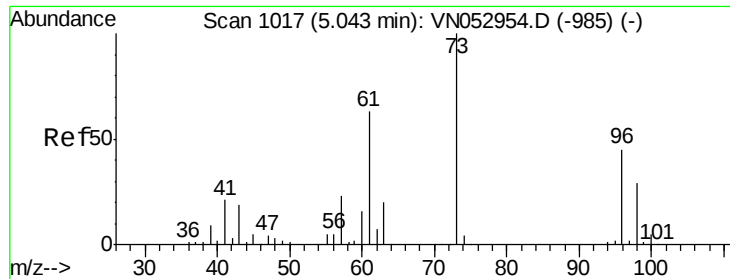
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#18
Methyl Acetate
Concen: 47.404 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion: 43 Resp: 506211
Ion Ratio Lower Upper
43 100
74 24.6 19.2 28.8





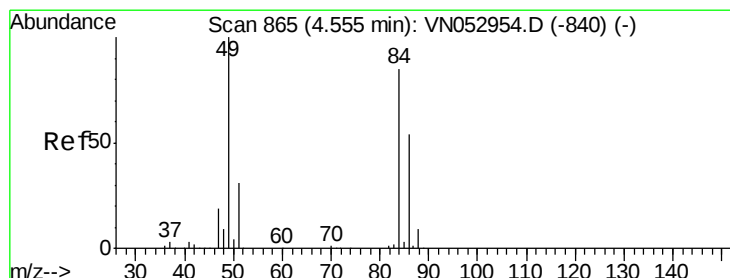
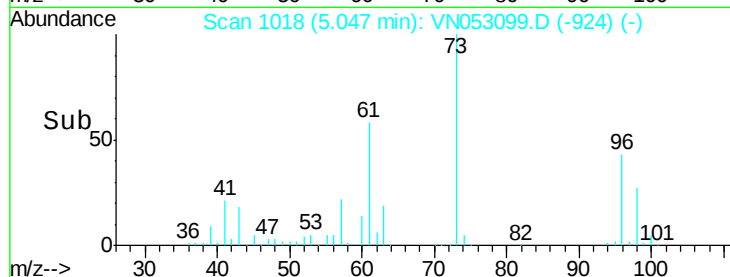
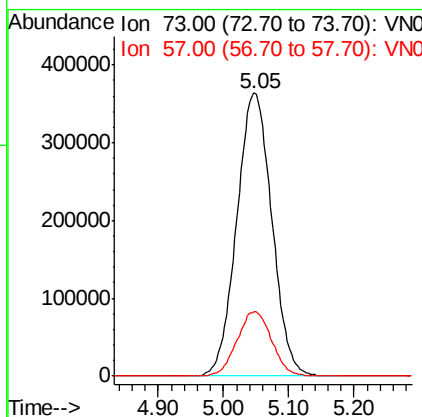
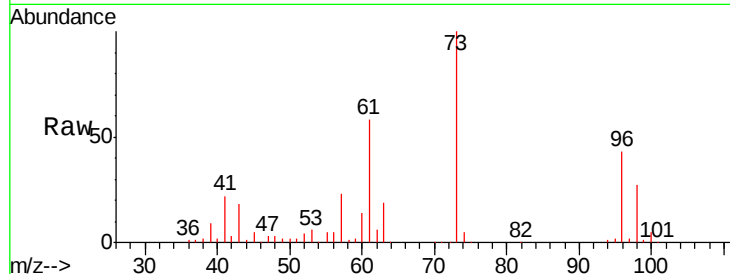
#19
Methyl tert-butyl Ether
Concen: 45.024 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 1359450
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6

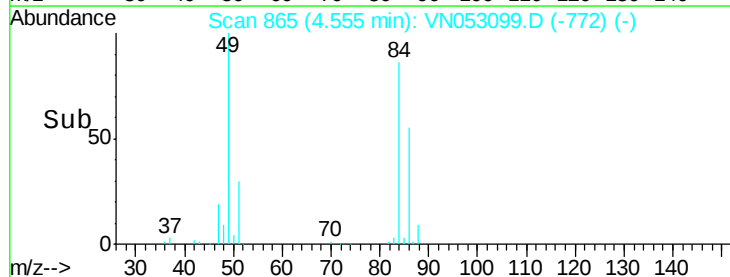
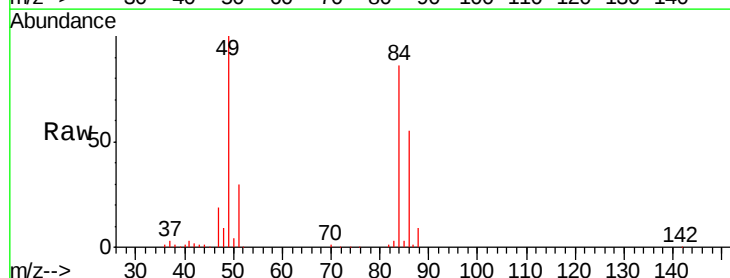
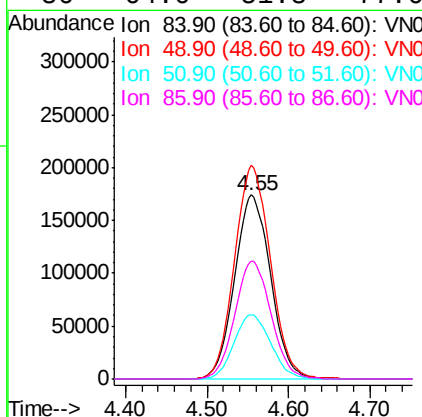
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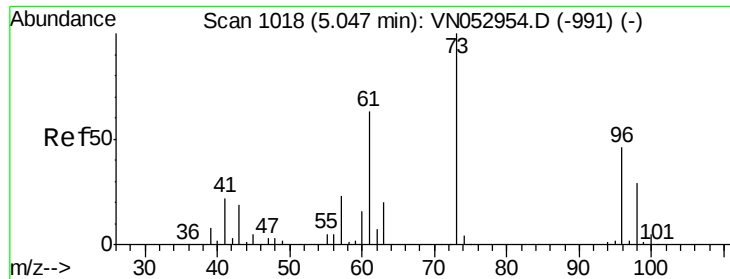
MMDadoda
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#20
Methylene Chloride
Concen: 41.538 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion: 84 Resp: 533690
Ion Ratio Lower Upper
84 100
49 116.2 96.8 145.2
51 35.0 29.9 44.9
86 64.0 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 41.415 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

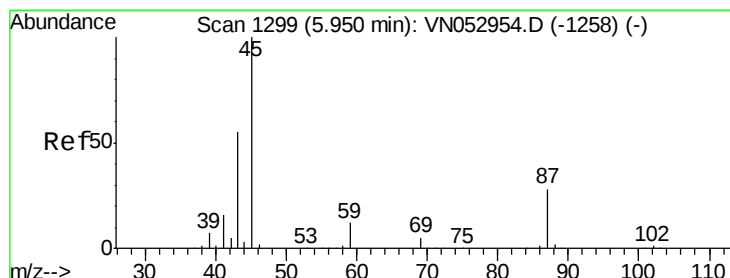
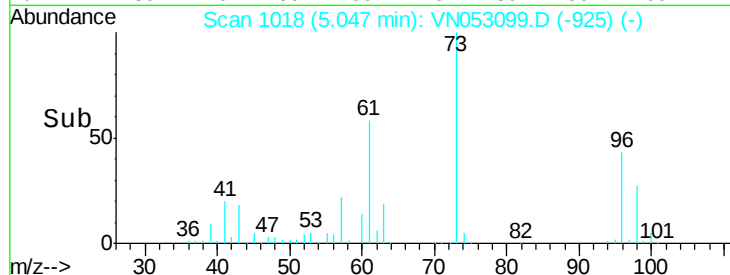
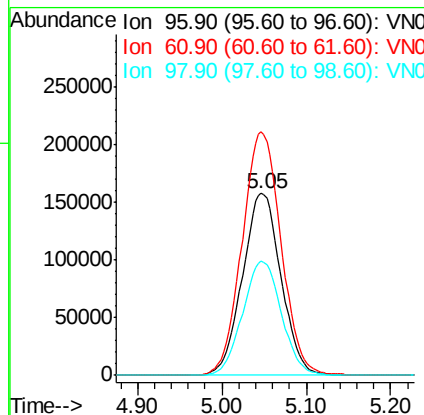
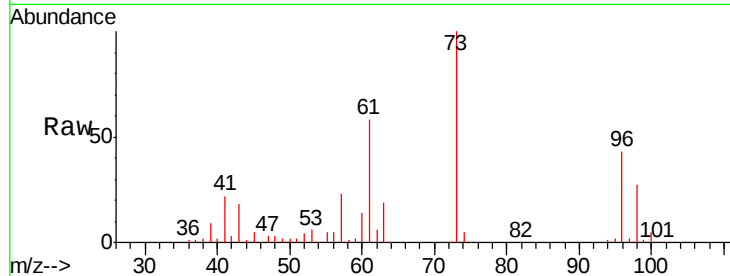
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	502054
Ion	Ratio	Lower	Upper
96	100		
61	134.1	110.8	166.2
98	62.7	51.4	77.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 43.898 ug/l

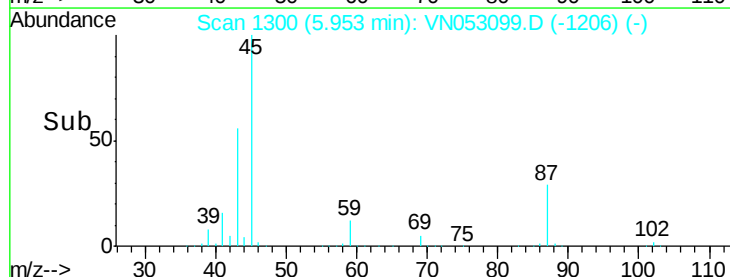
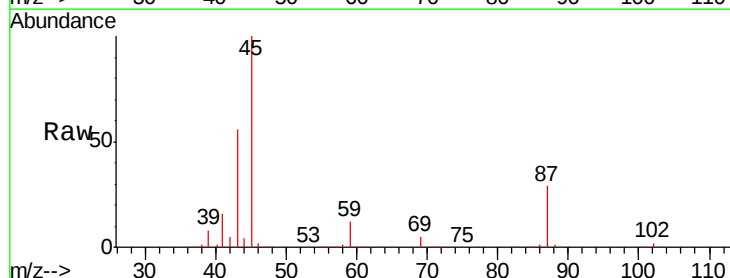
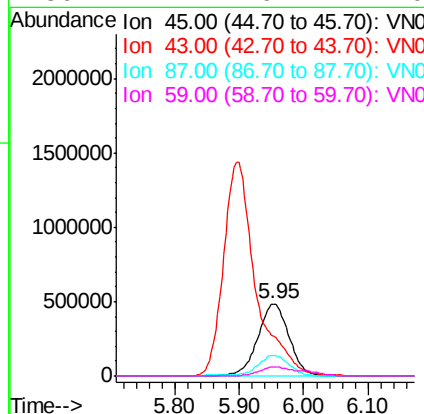
RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Tgt Ion:	45	Resp:	1637609
Ion	Ratio	Lower	Upper
45	100		
43	55.4	45.5	68.3
87	28.5	22.0	33.0
59	12.1	9.4	14.0





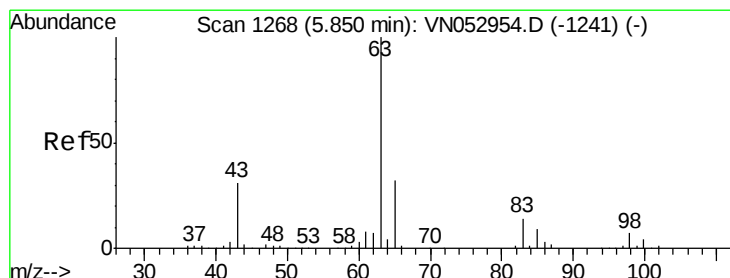
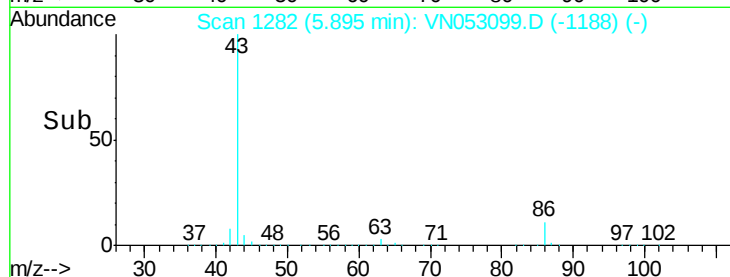
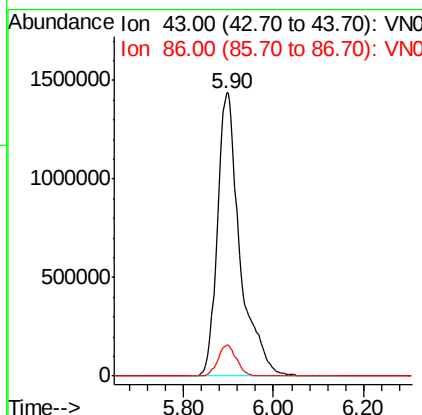
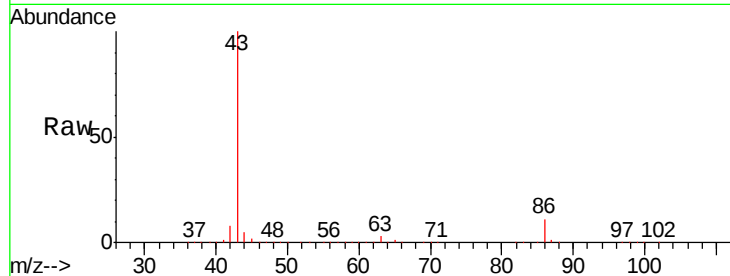
#23
 Vinyl Acetate
 Concen: 233.840 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 5016190
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.1 12.1

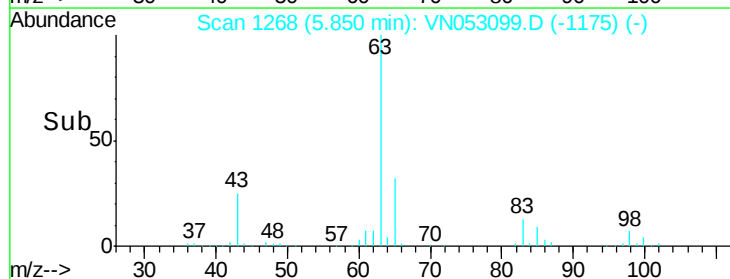
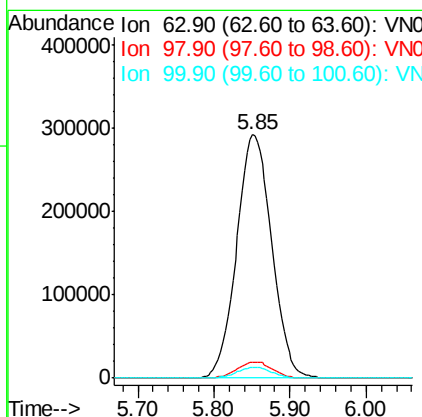
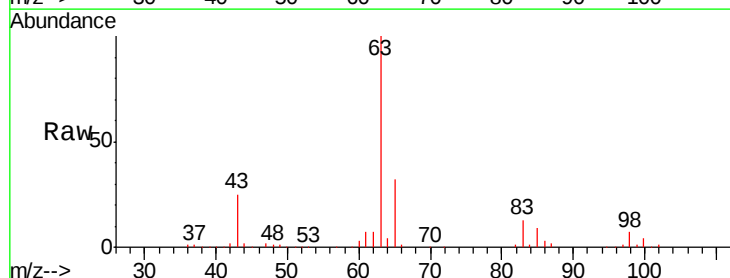
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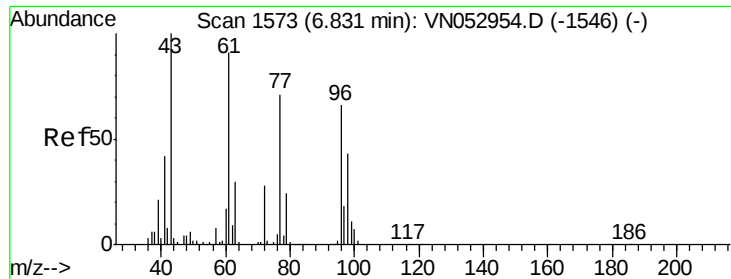
MMDadoda
 12/22/2018 10:06:26 AM



#24
 1,1-Dichloroethane
 Concen: 42.328 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Tgt Ion: 63 Resp: 938315
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.1 9.4
 100 4.2 2.0 5.8





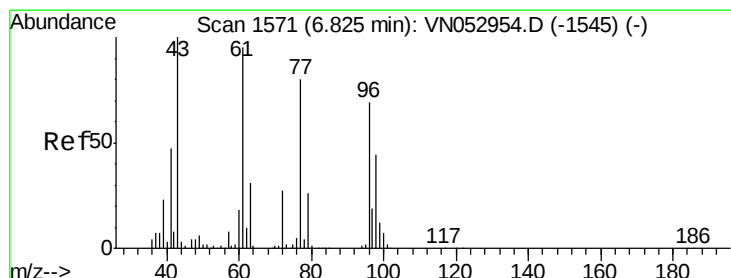
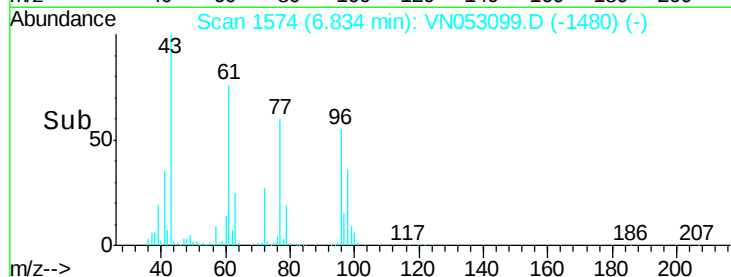
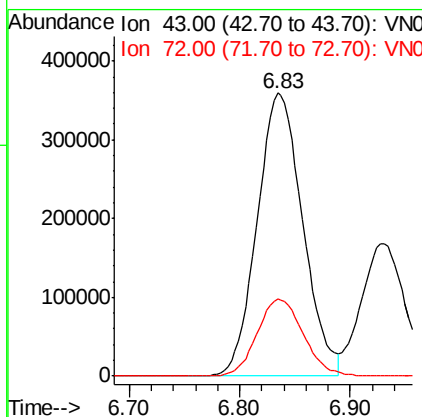
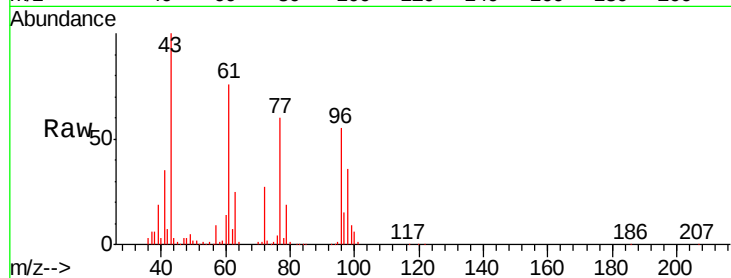
#25
2-Butanone
Concen: 260.089 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1028113
Ion Ratio Lower Upper
43 100
72 27.3 21.0 31.6

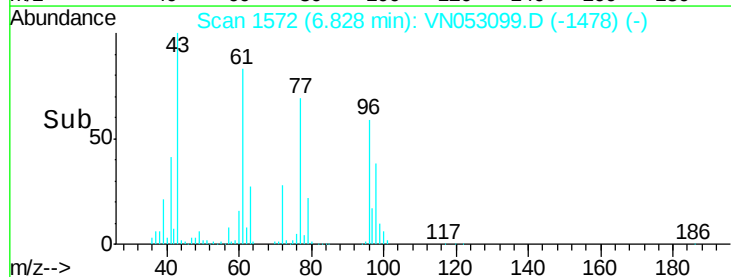
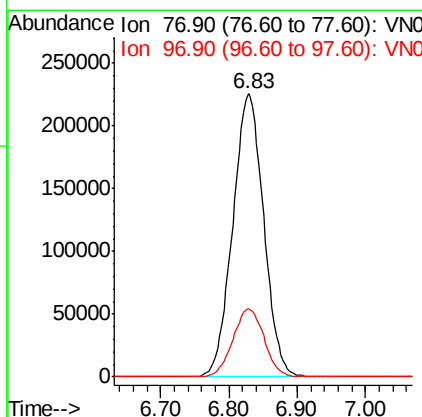
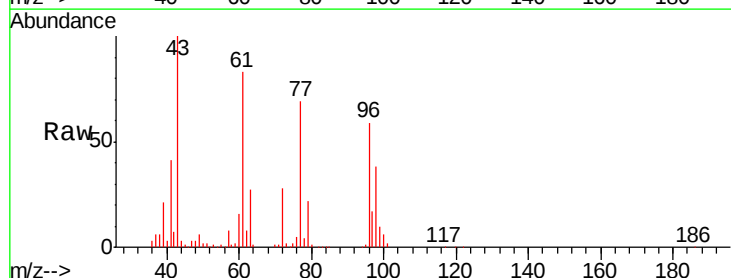
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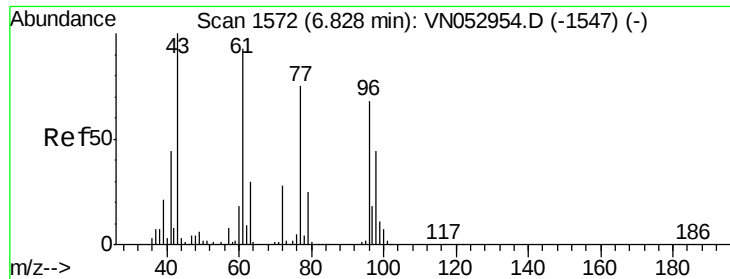
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#26
2,2-Dichloropropane
Concen: 41.976 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion: 77 Resp: 710319
Ion Ratio Lower Upper
77 100
97 24.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 41.998 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

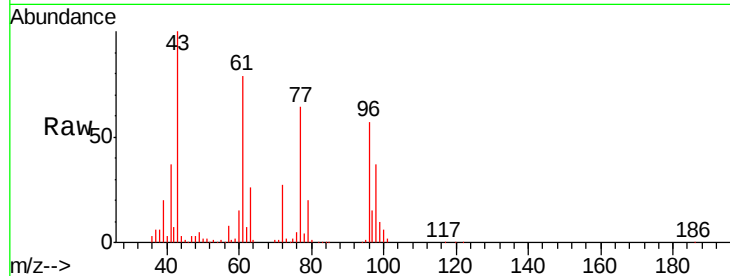
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	576382
Ion Ratio	Lower	Upper	
96	100		
61	140.8	0.0	284.2
98	65.8	0.0	129.2

Manual Integrations
APPROVED

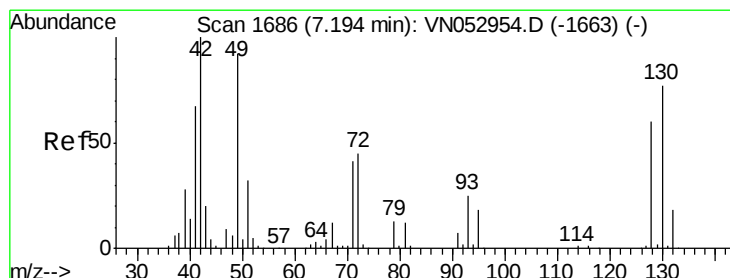
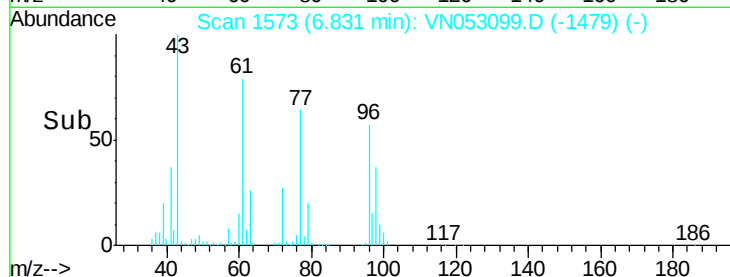
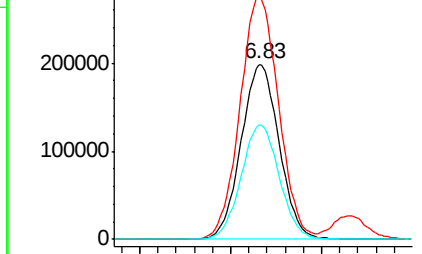
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Abundance Ion 95.90 (95.60 to 96.60): VN053099.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN053099.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN053099.D (-1479) (-)



#28

Bromochloromethane

Concen: 48.052 ug/l

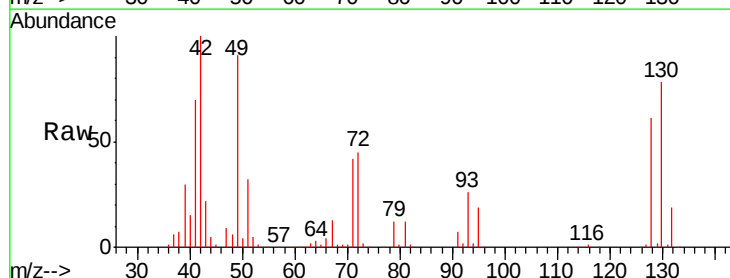
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

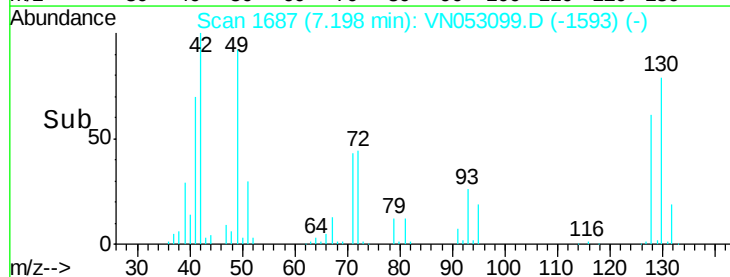
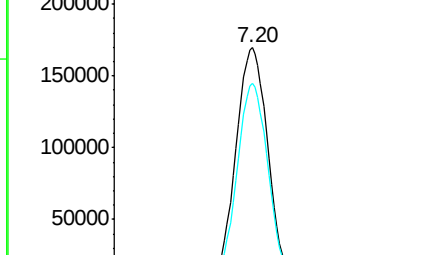
Tgt Ion:	49	Resp:	461566
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	4.0
130	84.0	63.3	94.9



Abundance Ion 48.90 (48.60 to 49.60): VN053099.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053099.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053099.D (-1593) (-)





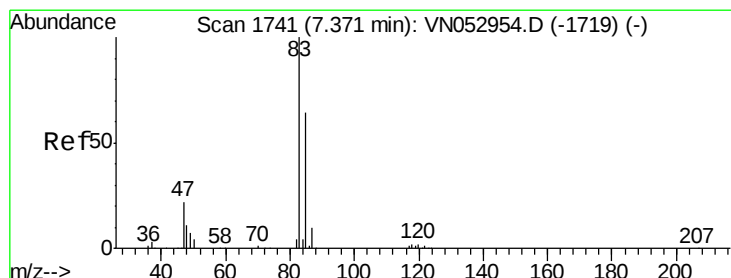
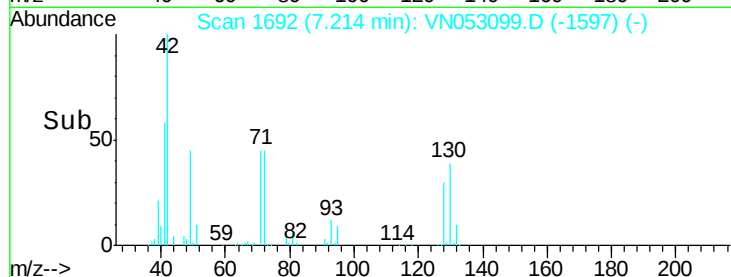
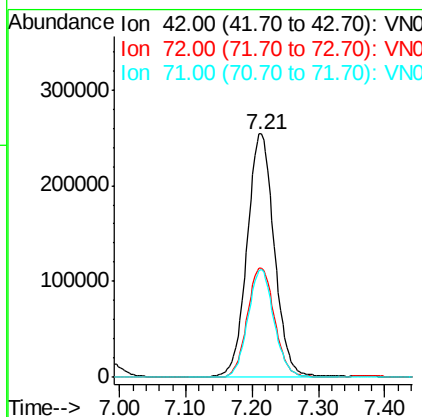
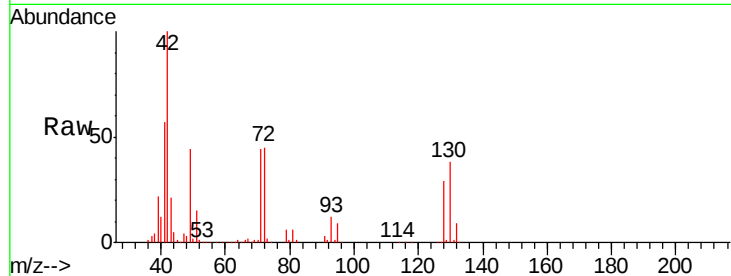
#29
Tetrahydrofuran
Concen: 245.149 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.7	34.7	52.1
71	42.7	32.3	48.5

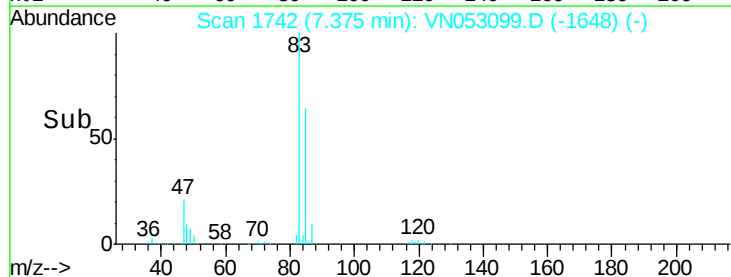
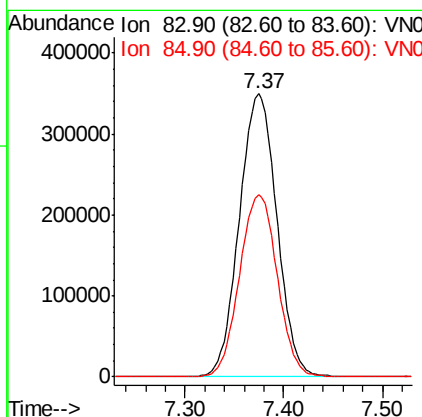
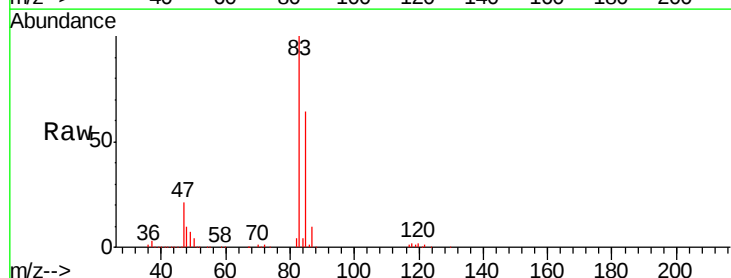
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#30
Chloroform
Concen: 42.329 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.1	78.1





#31

Cyclohexane

Concen: 41.655 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 869674
Ion Ratio Lower Upper

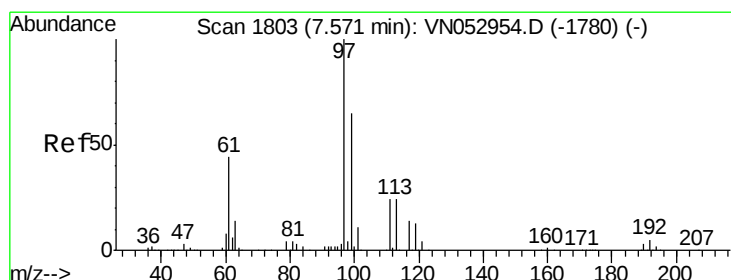
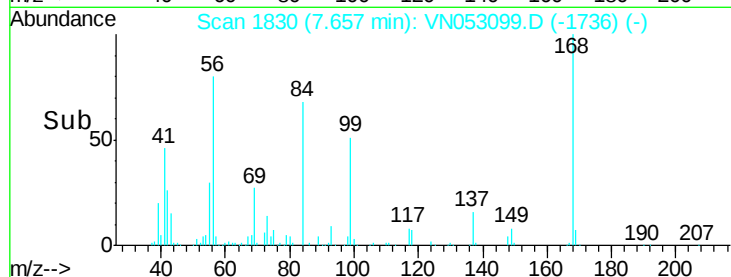
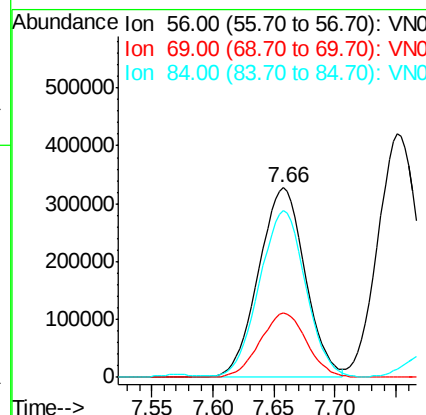
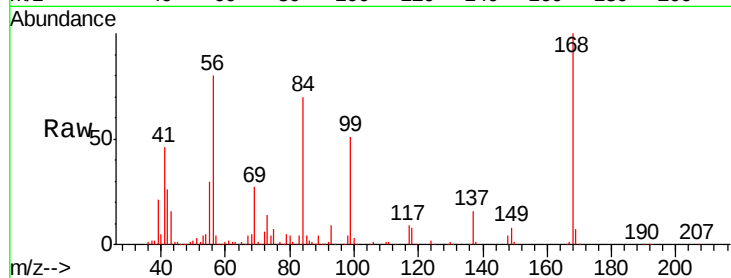
56 100

69 34.1 26.6 39.8

84 86.8 68.4 102.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 41.566 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053099.D

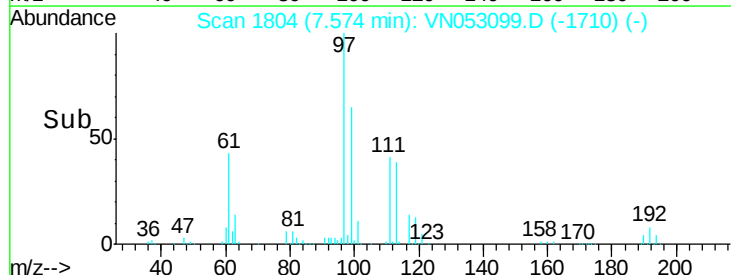
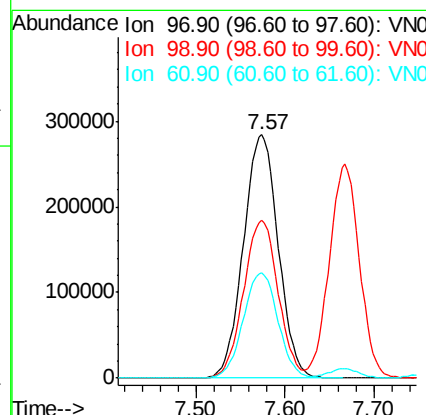
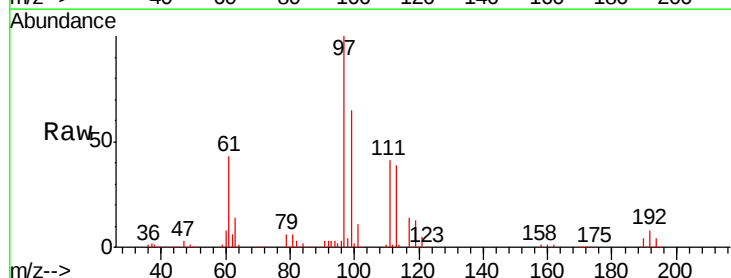
Acq: 21 Dec 2018 13:21

Tgt Ion: 97 Resp: 771068
Ion Ratio Lower Upper

97 100

99 64.5 51.1 76.7

61 43.2 35.0 52.6





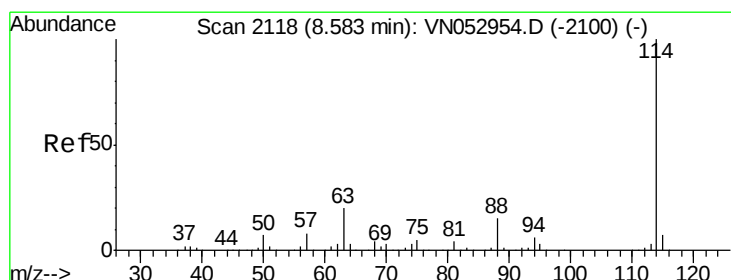
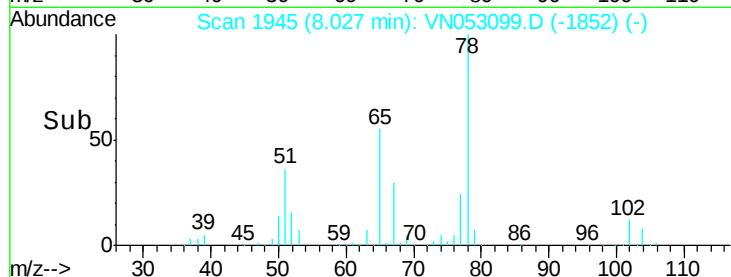
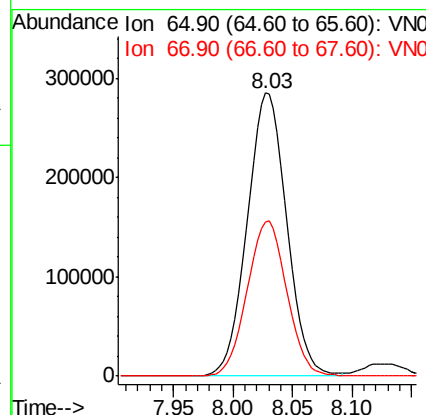
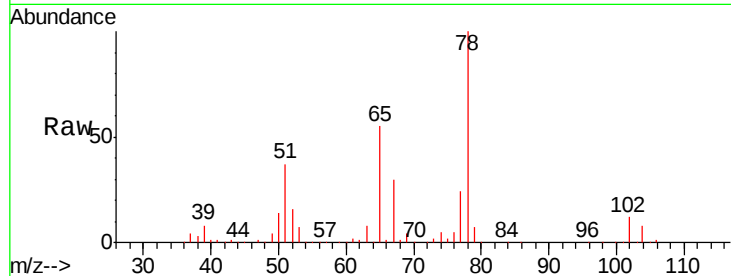
#33
 1,2-Dichloroethane-d4
 Concen: 41.566 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 655020
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.4

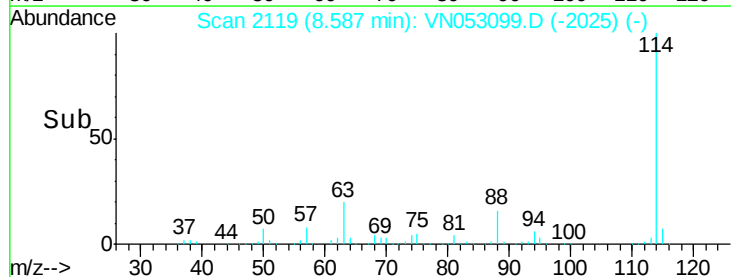
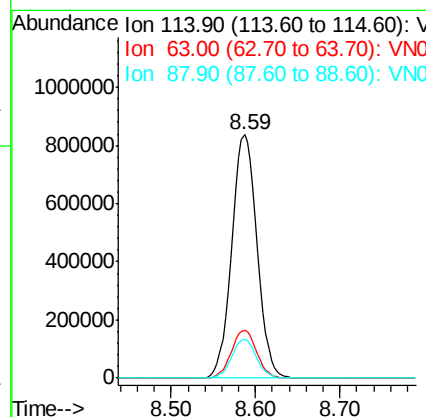
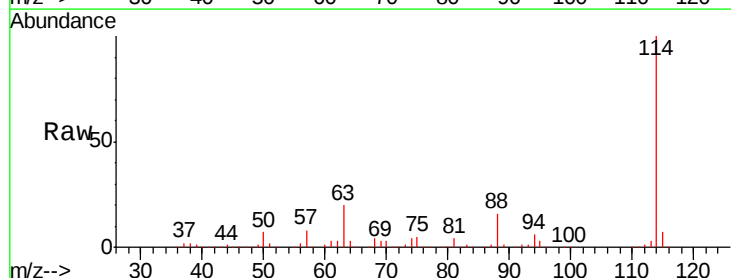
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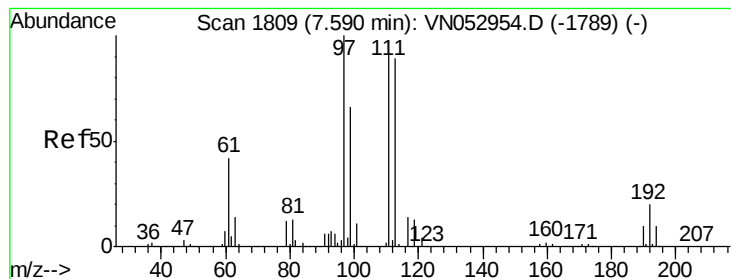
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Tgt Ion: 114 Resp: 1741244
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 16.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

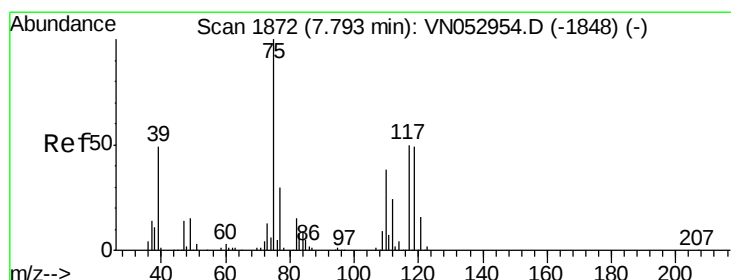
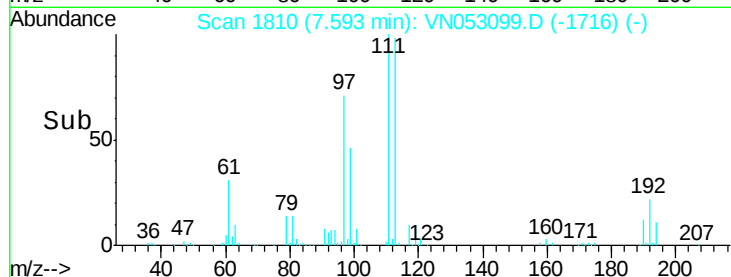
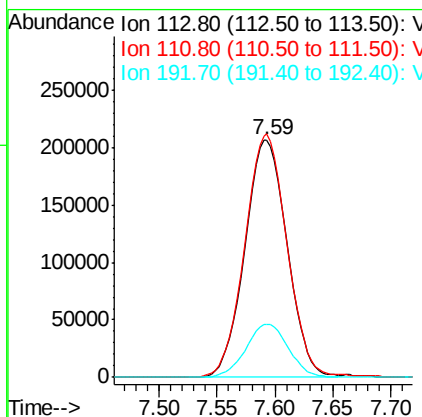
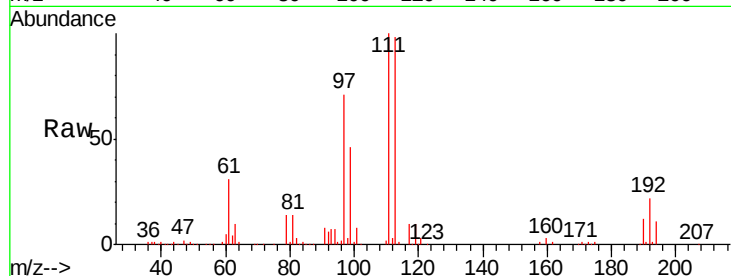
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	523941
Ion Ratio	Lower	Upper	
113	100		
111	102.5	83.0	124.4
192	22.6	17.5	26.3

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#36

1,1-Dichloropropene

Concen: 42.928 ug/l

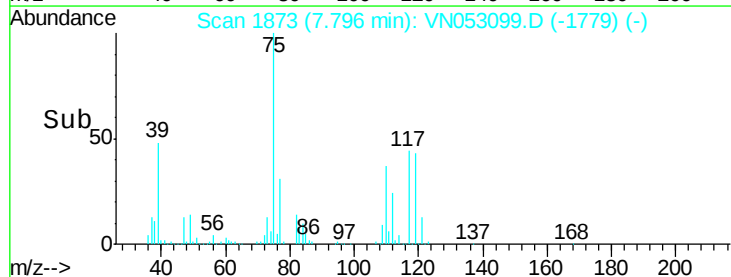
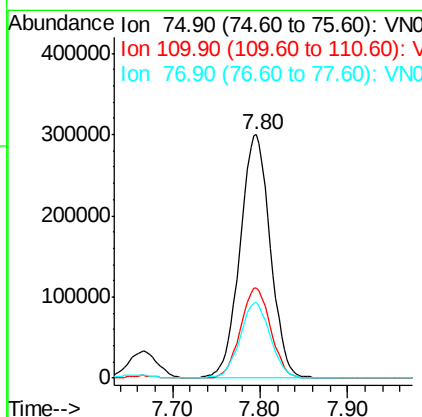
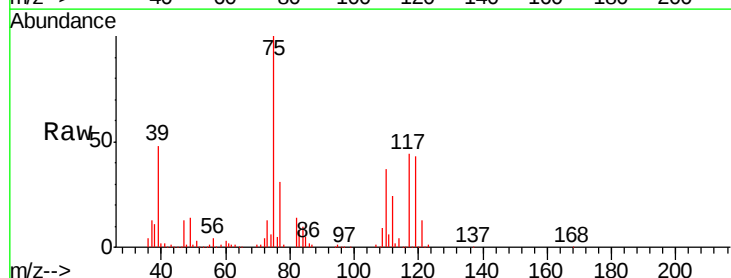
RT: 7.80 min Scan# 1873

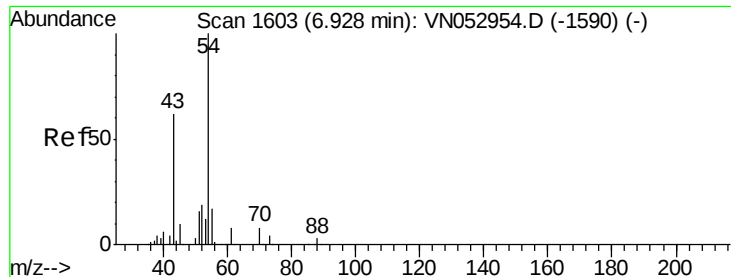
Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Tgt Ion:	75	Resp:	717452
Ion Ratio	Lower	Upper	
75	100		
110	37.0	18.2	54.6
77	31.3	24.9	37.3





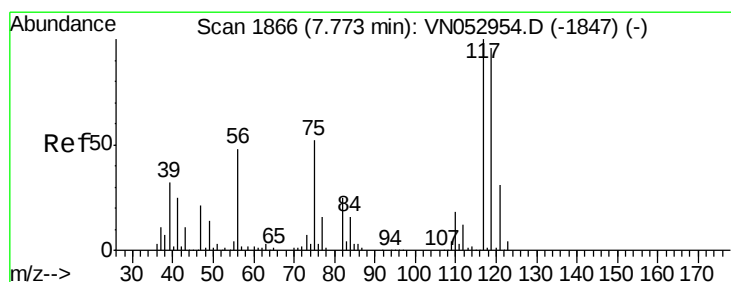
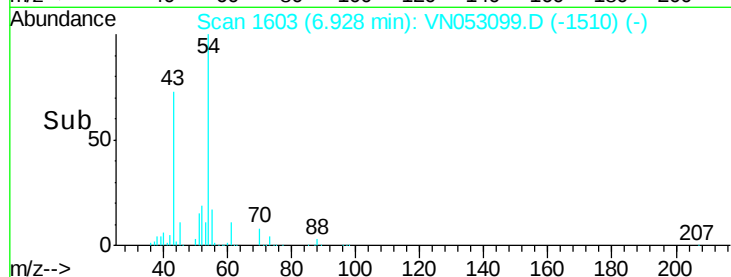
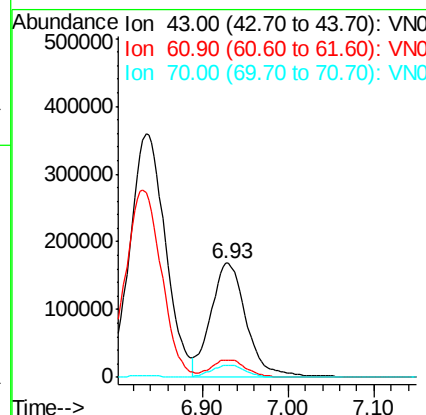
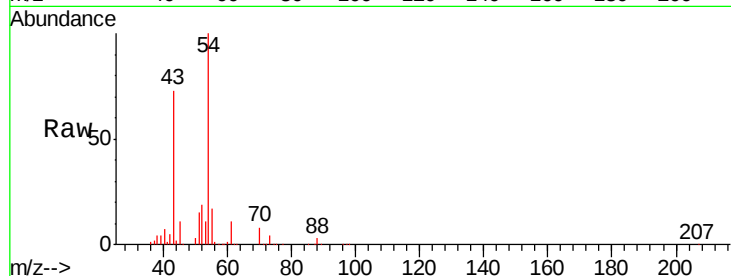
#37
Ethyl Acetate
Concen: 51.337 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.8	17.6
70	10.7	8.4	12.6

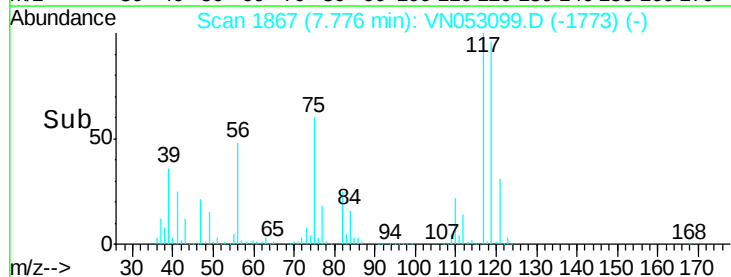
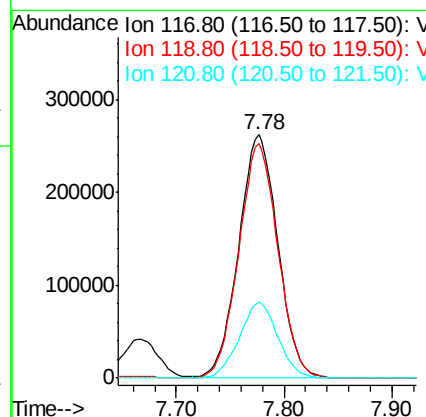
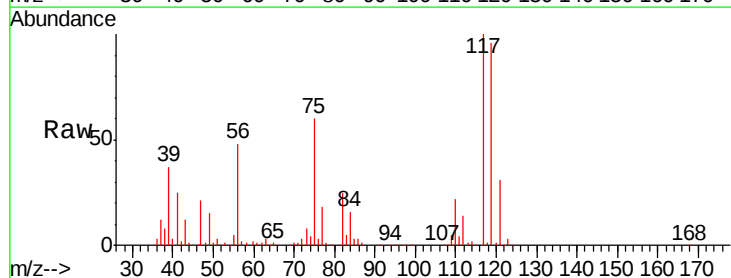
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#38
Carbon Tetrachloride
Concen: 43.125 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.1	115.7
121	31.2	24.9	37.3





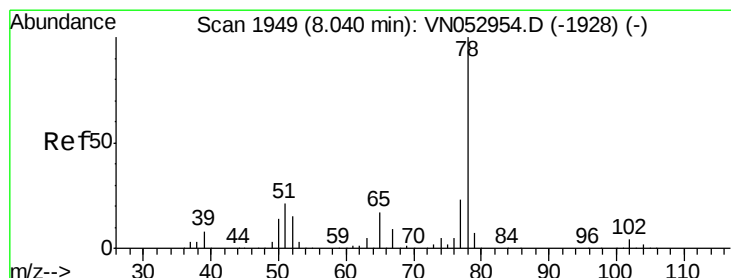
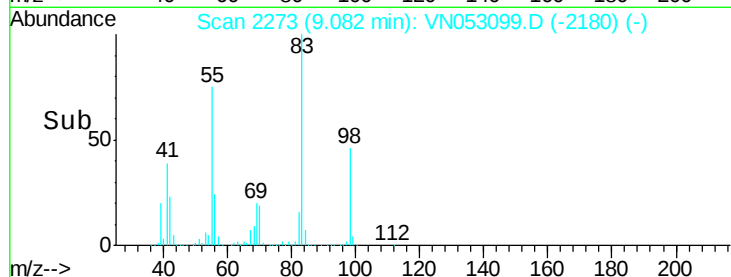
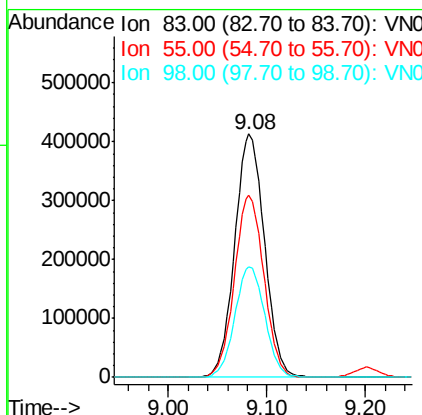
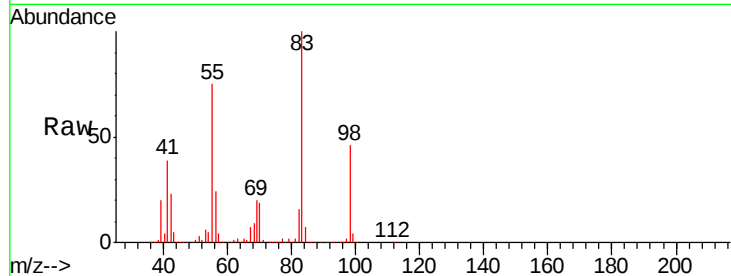
#39
Methylcyclohexane
Concen: 42.584 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.6	61.3	91.9
98	45.6	37.0	55.4

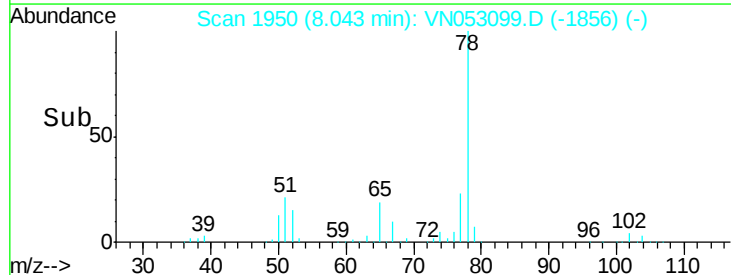
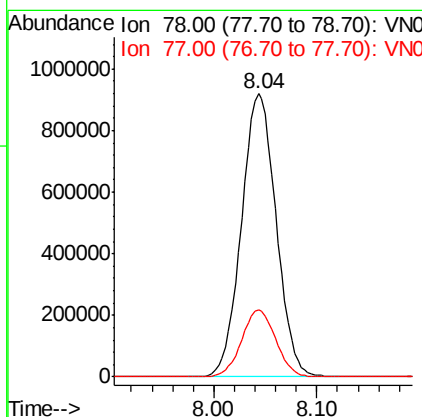
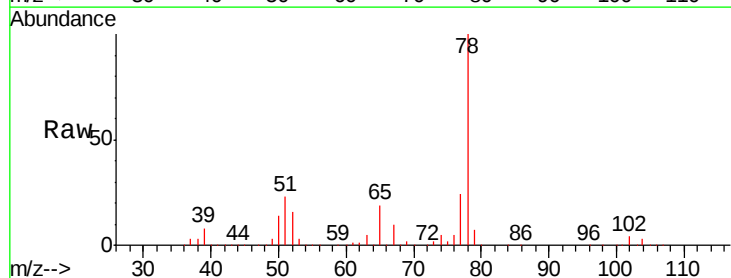
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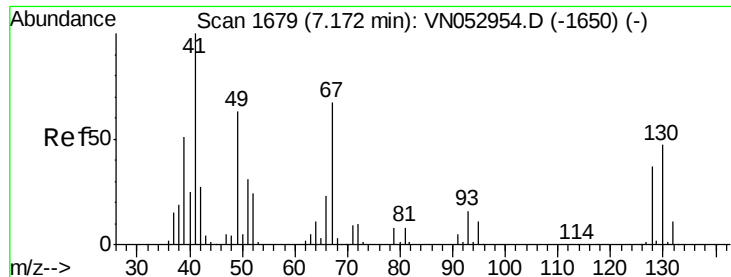
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#40
Benzene
Concen: 43.235 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.5	27.7





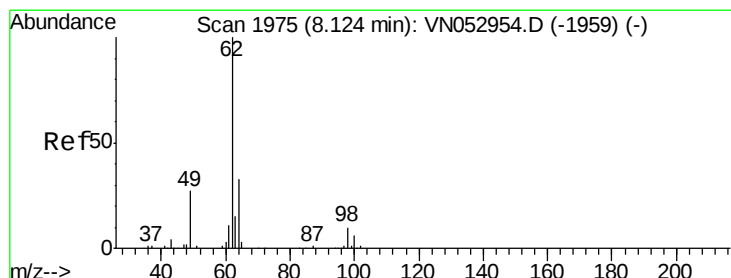
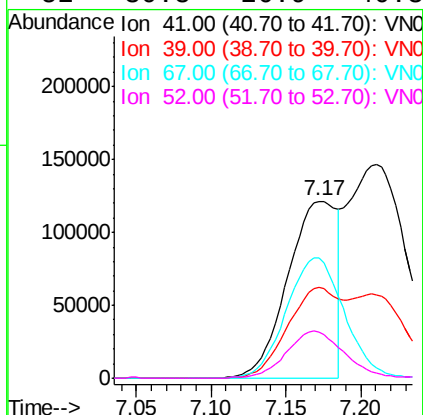
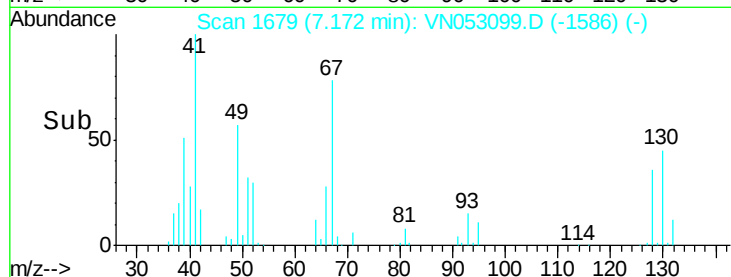
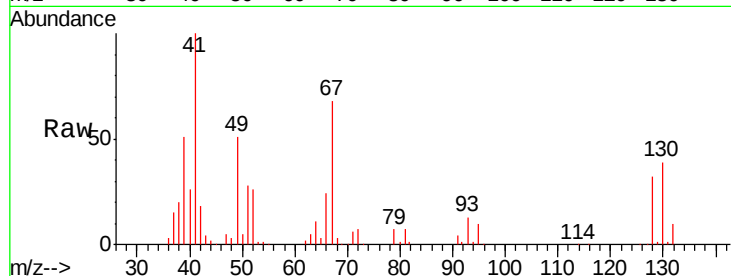
#41
Methacrylonitrile
Concen: 51.150 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	275739
Ion	Ratio	Lower	Upper
41	100		
39	53.9	48.0	72.0
67	81.2	70.3	105.5
52	30.8	26.9	40.3

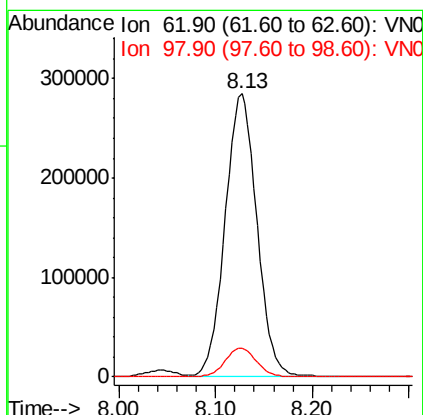
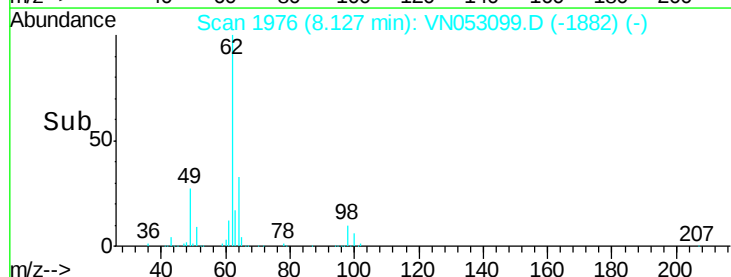
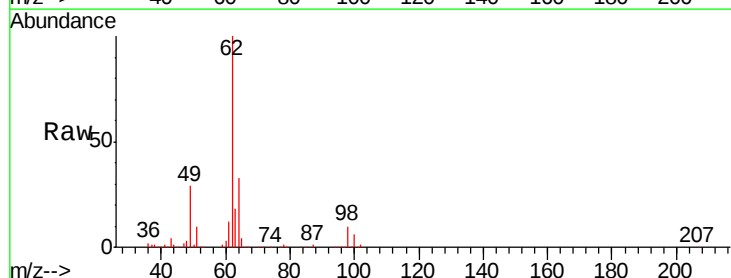
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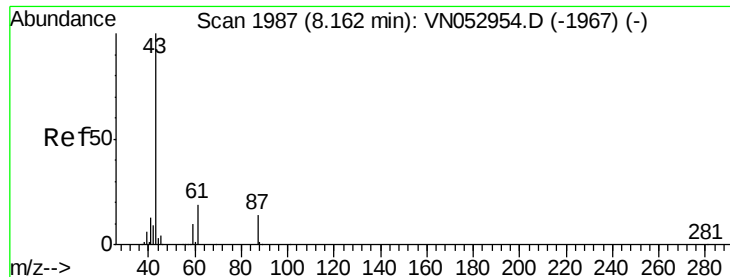
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#42
1,2-Dichloroethane
Concen: 44.113 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion:	62	Resp:	647838
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.0





#43

Isopropyl Acetate

Concen: 48.049 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

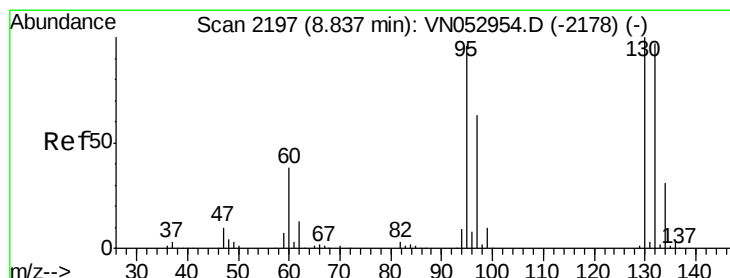
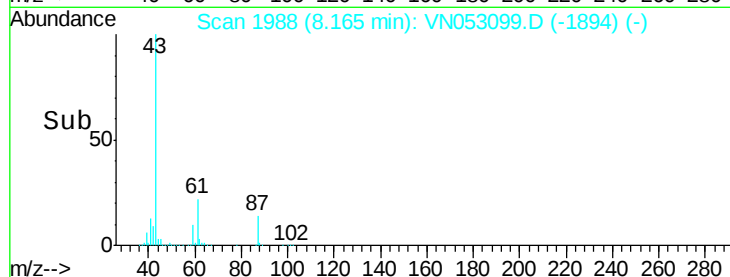
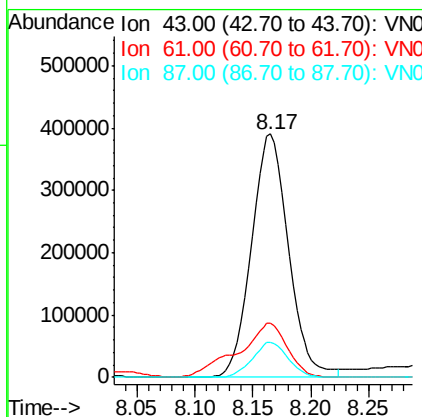
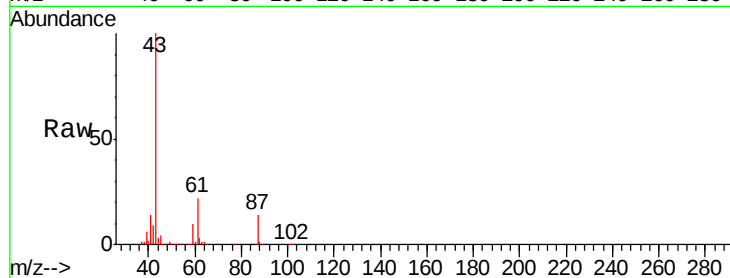
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	868265
Ion	Ratio	Lower	Upper
43	100		
61	29.1	22.9	34.3
87	13.8	10.6	15.8

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#44

Trichloroethene

Concen: 41.383 ug/l

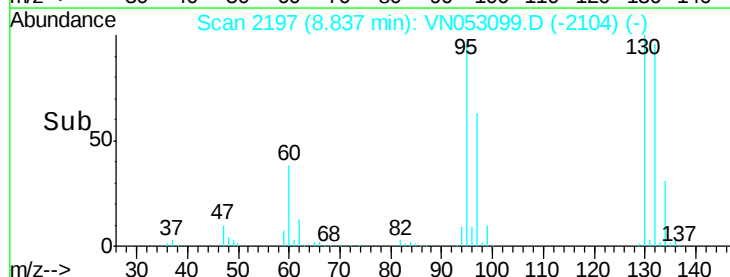
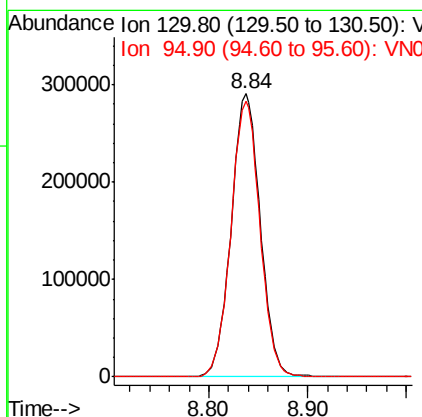
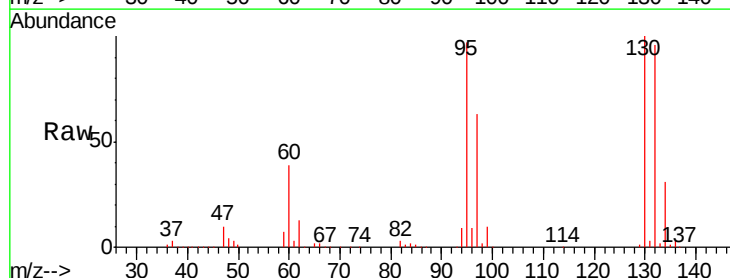
RT: 8.84 min Scan# 2197

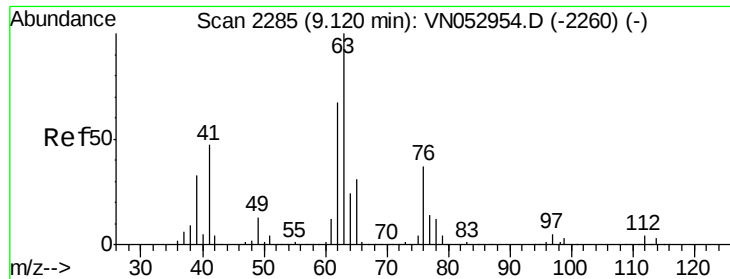
Delta R.T. -0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Tgt Ion:	130	Resp:	595034
Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	197.8





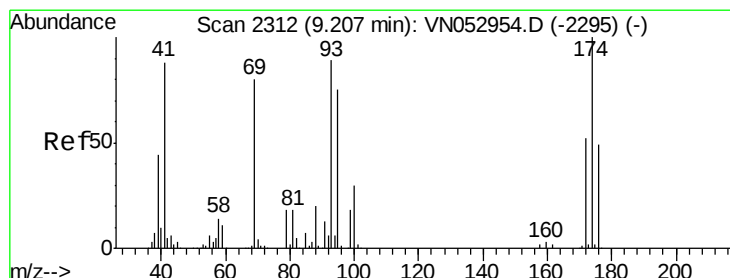
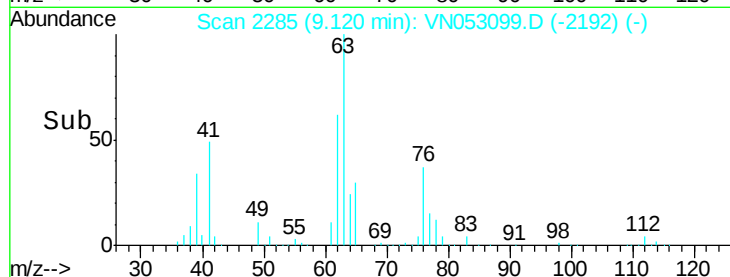
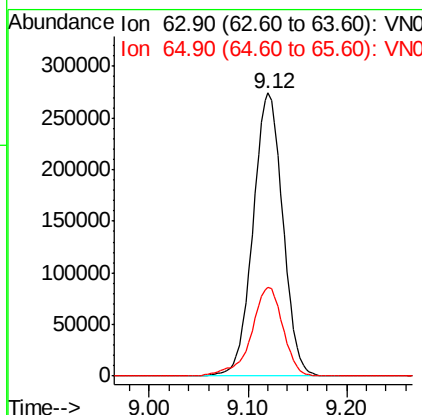
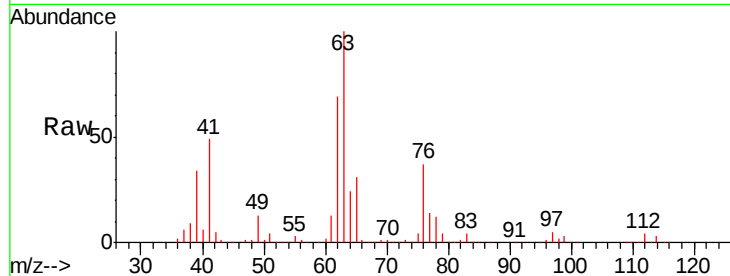
#45
 1,2-Dichloropropane
 Concen: 44.055 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 570452
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.6 37.0

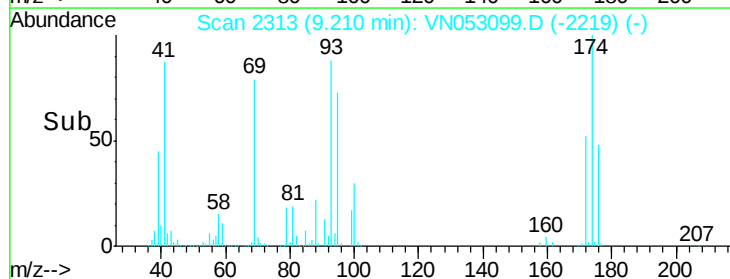
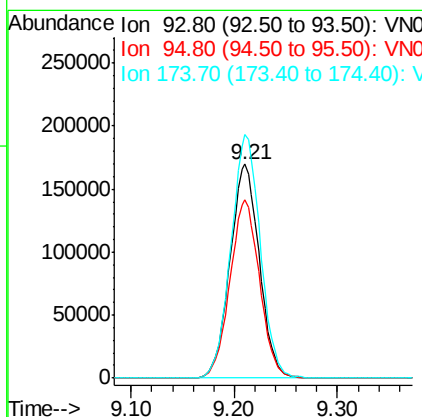
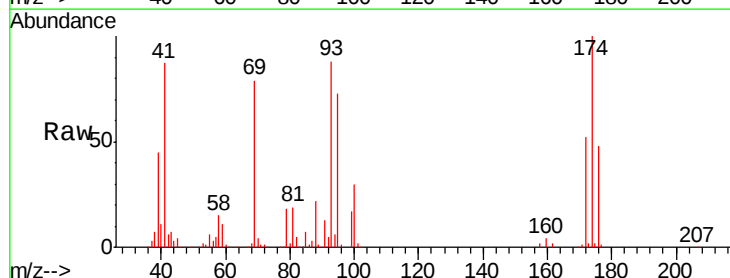
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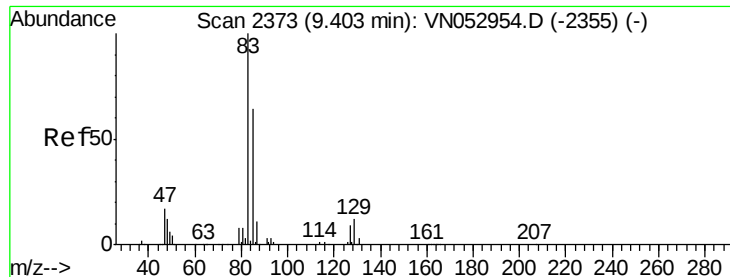
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 12/22/2018 10:06:26 AM



#46
 Dibromomethane
 Concen: 44.674 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Tgt Ion: 93 Resp: 336984
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.8 101.6
 174 113.7 89.0 133.4





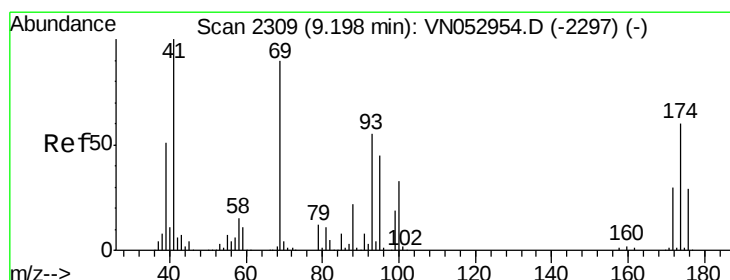
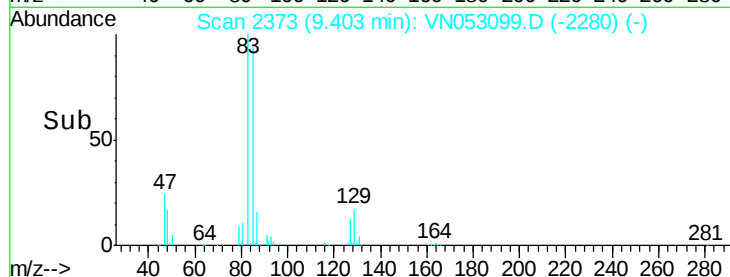
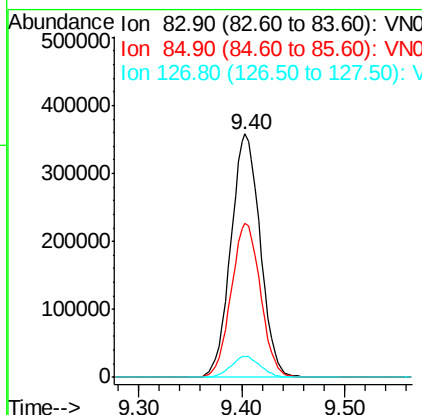
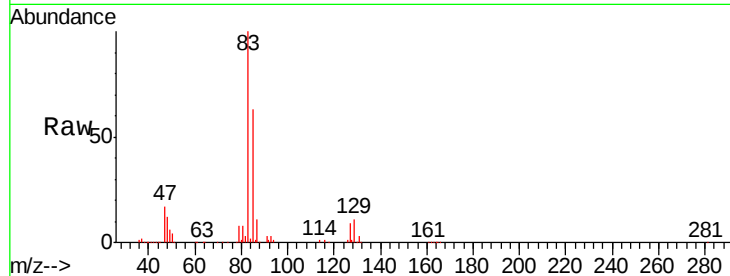
#47
Bromodichloromethane
Concen: 44.191 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
85	63.3	51.6	77.4
127	8.8	7.1	10.7

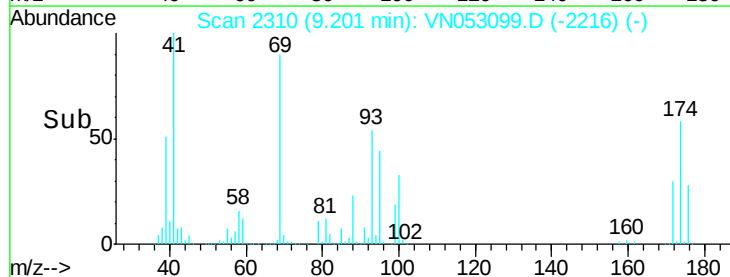
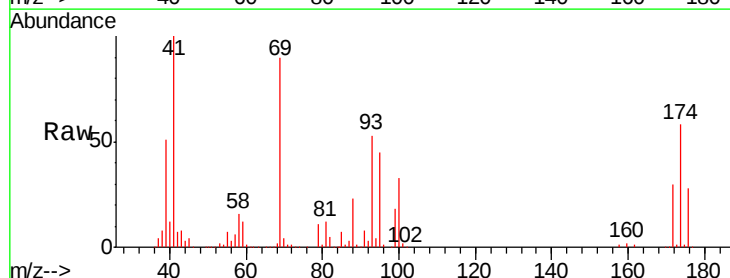
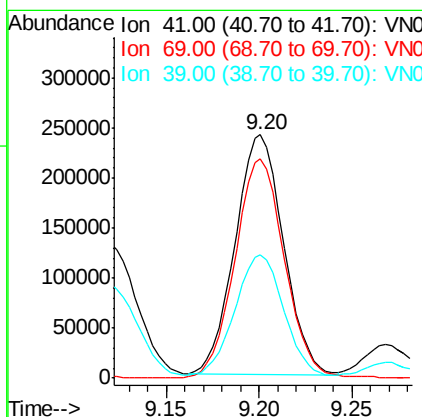
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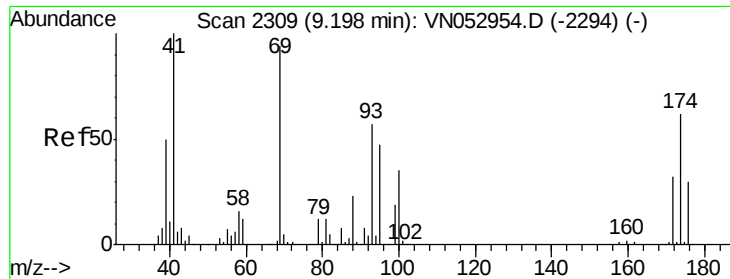
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#48
Methyl methacrylate
Concen: 48.034 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
41	100		
69	94.1	72.2	108.2
39	52.6	41.9	62.9





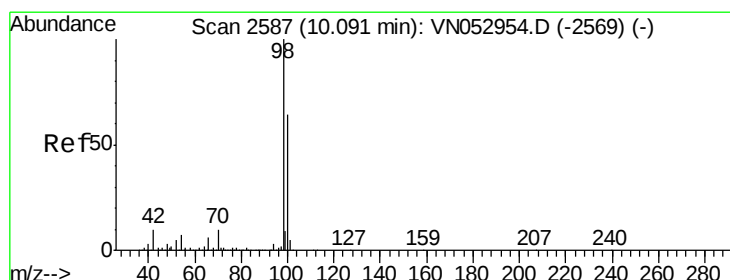
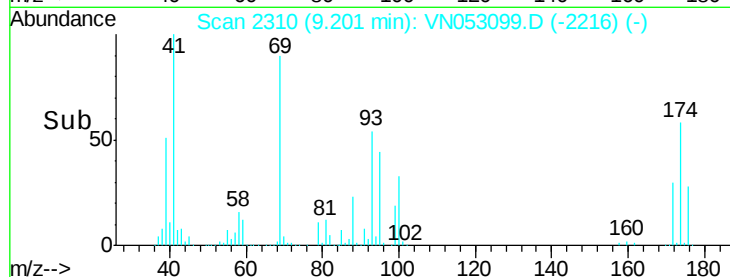
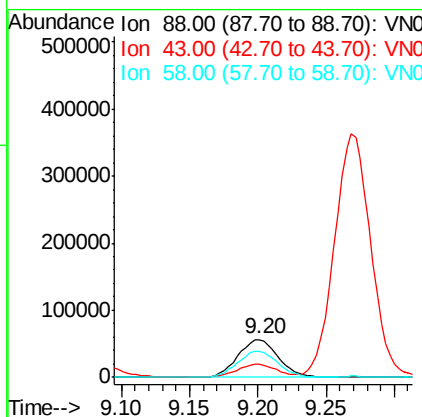
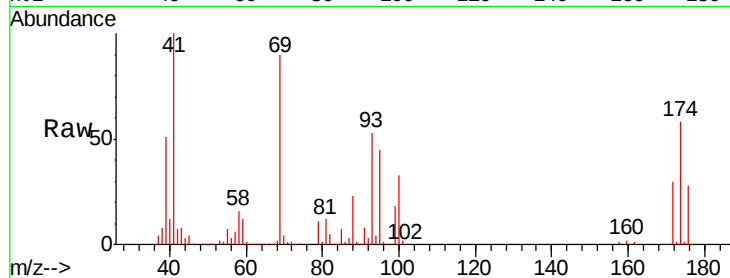
#49
1,4-Dioxane
Concen: 1006.634 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.7	26.6	40.0
58	69.0	58.4	87.6

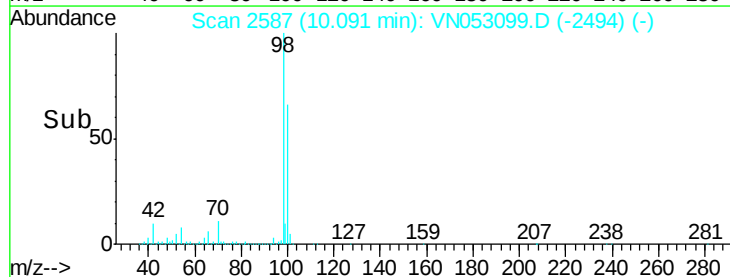
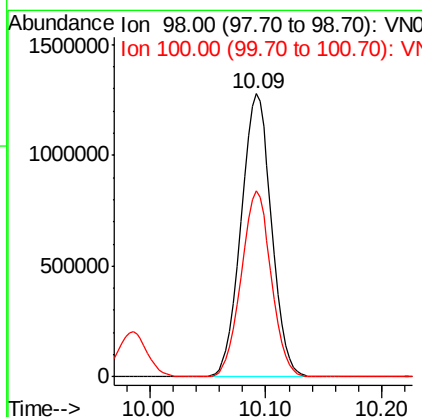
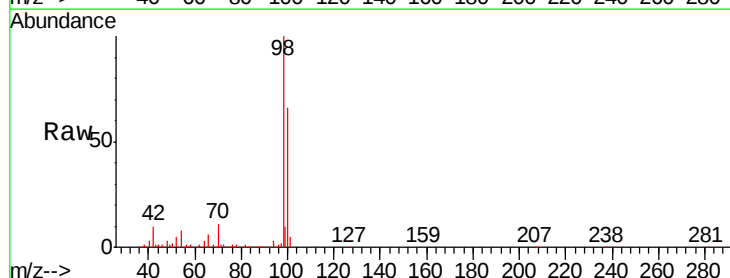
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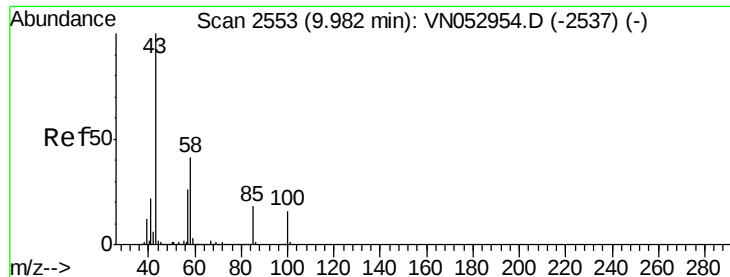
MMDadoda
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#50
Toluene-d8
Concen: 1006.634 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.6	77.4





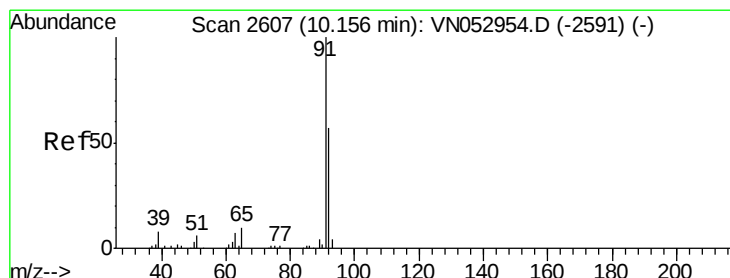
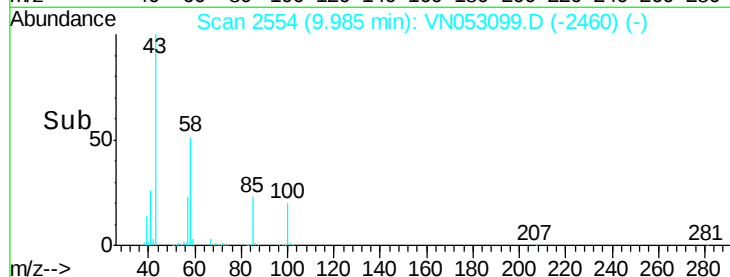
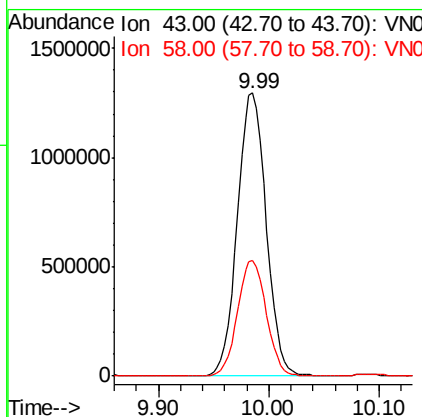
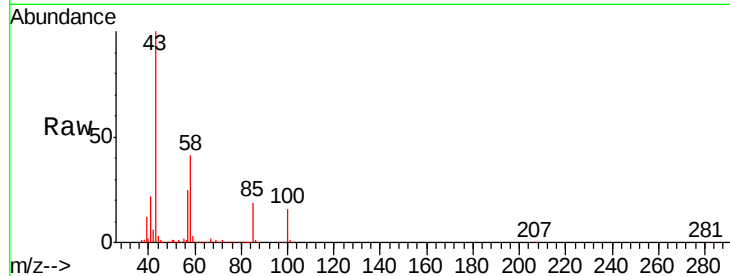
#51
 4-Methyl-2-Pentanone
 Concen: 259.644 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 2345972
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.2 48.4

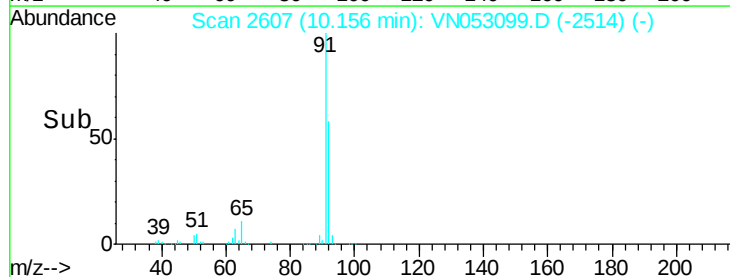
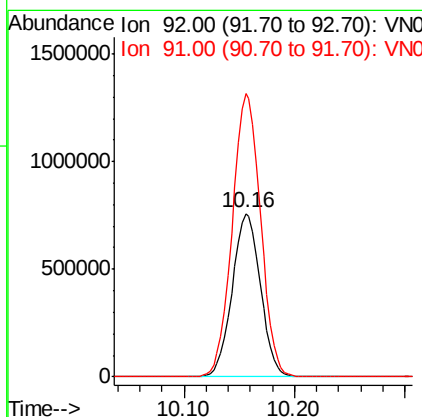
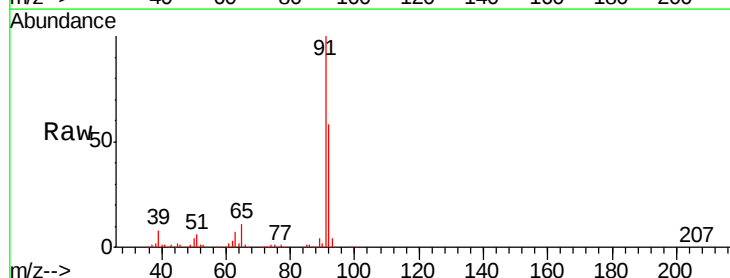
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#52
 Toluene
 Concen: 43.646 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Tgt Ion: 92 Resp: 1344875
 Ion Ratio Lower Upper
 92 100
 91 174.0 139.8 209.6





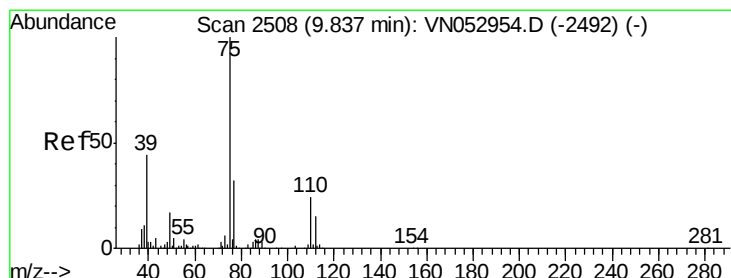
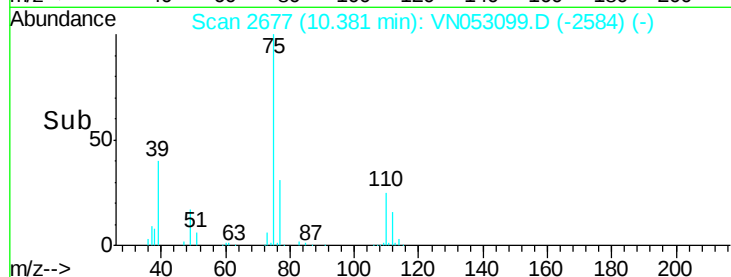
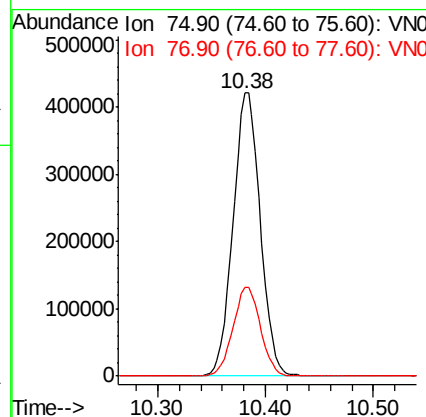
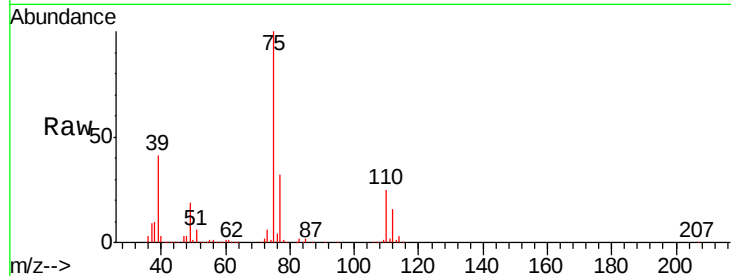
#53
t-1,3-Dichloropropene
Concen: 44.017 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 742158
Ion Ratio Lower Upper
75 100
77 31.5 25.6 38.4

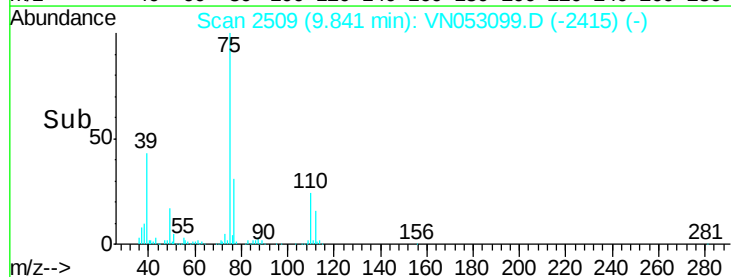
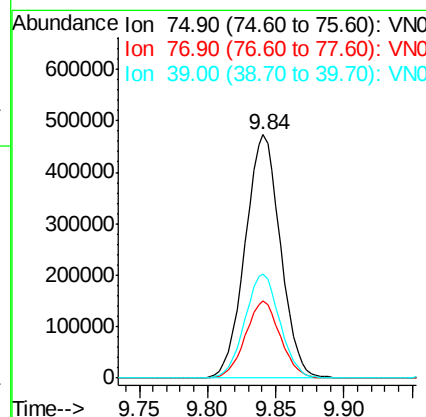
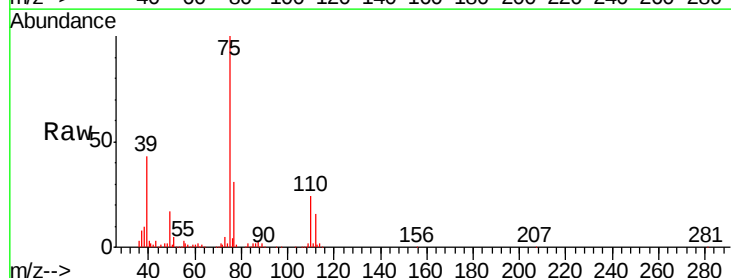
Manual Integrations
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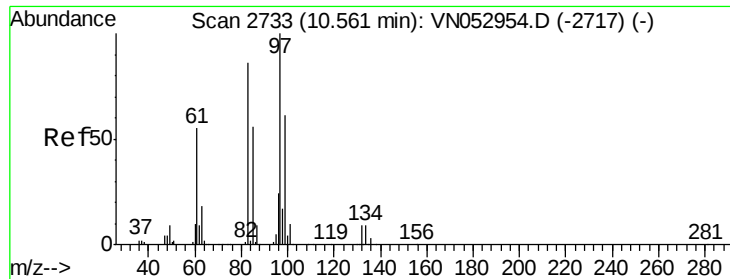
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#54
cis-1,3-Dichloropropene
Concen: 43.877 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion: 75 Resp: 849156
Ion Ratio Lower Upper
75 100
77 31.5 25.8 38.8
39 42.6 34.8 52.2





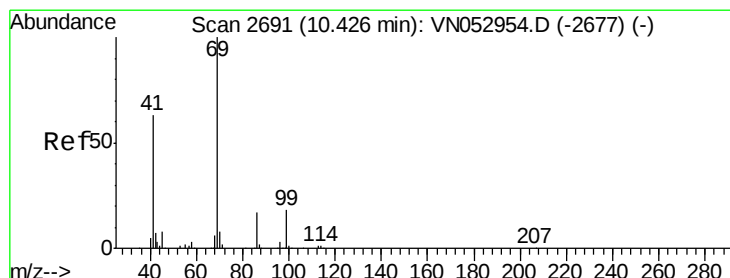
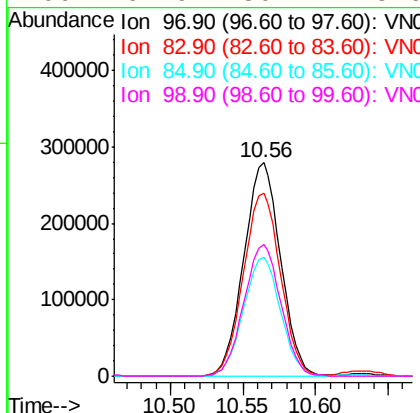
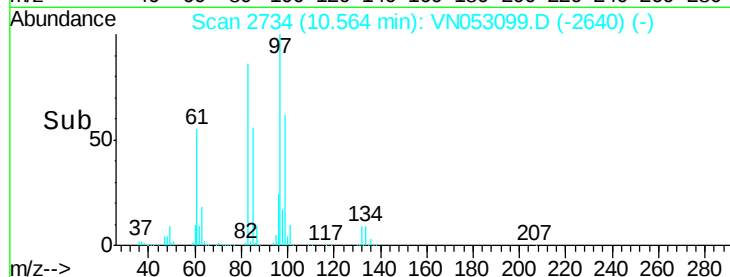
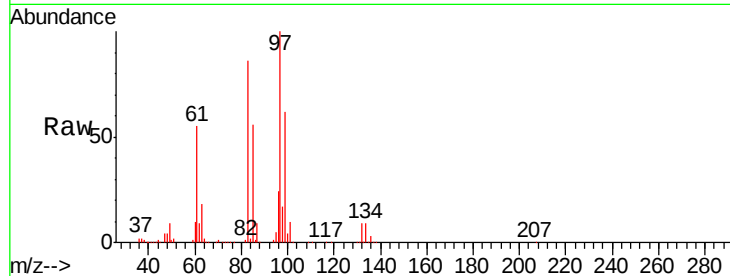
#55
 1,1,2-Trichloroethane
 Concen: 45.955 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	494005
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.9	106.3
85	55.7	45.4	68.2
99	61.9	50.4	75.6

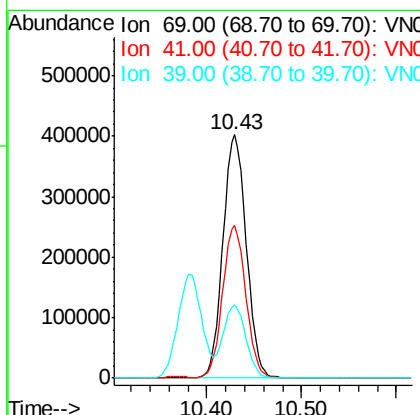
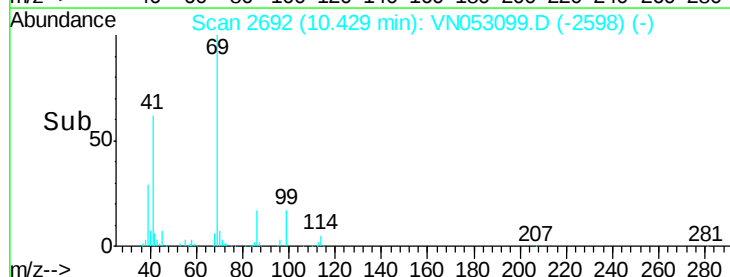
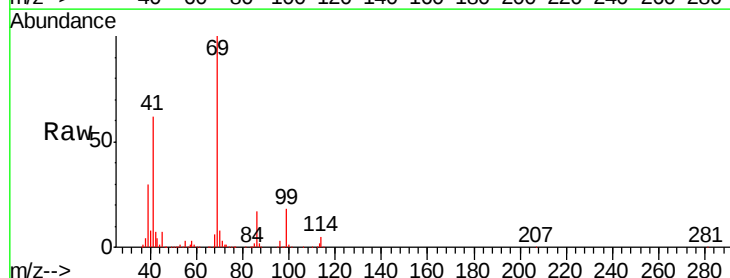
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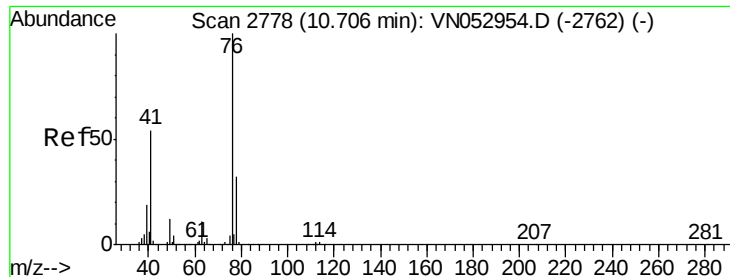
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#56
 Ethyl methacrylate
 Concen: 48.634 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Tgt Ion:	69	Resp:	691982
Ion	Ratio	Lower	Upper
69	100		
41	61.5	51.7	77.5
39	29.6	24.6	37.0





#57

1,3-Dichloropropane

Concen: 45.368 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 836304

Ion Ratio Lower Upper

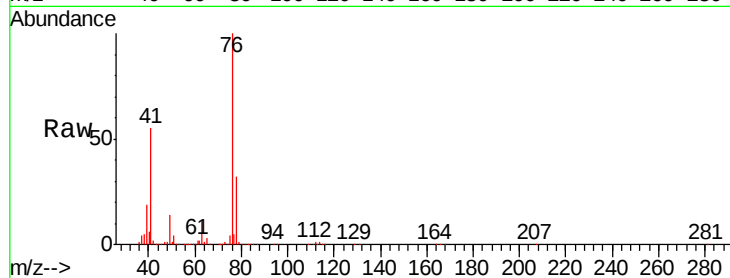
76 100

78 32.4 25.8 38.8

Manual Integrations
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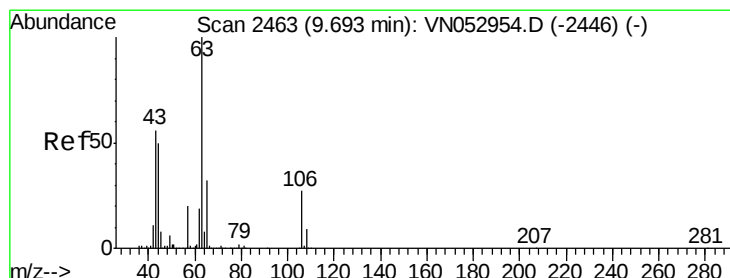
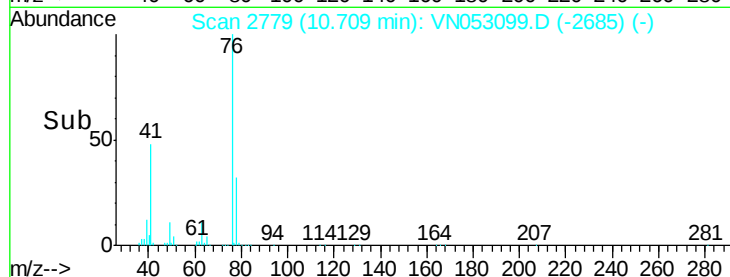
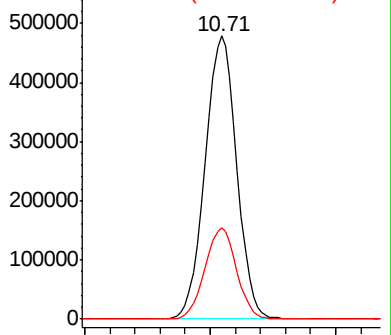
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 170.973 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053099.D

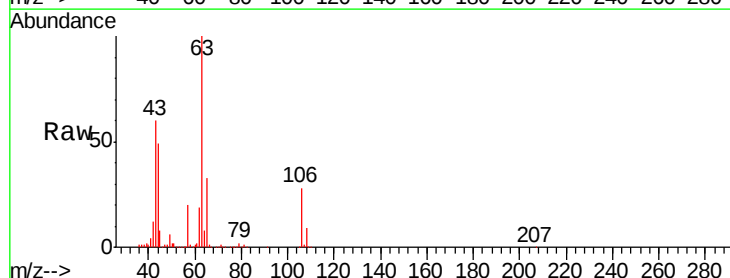
Acq: 21 Dec 2018 13:21

Tgt Ion: 63 Resp: 1335512

Ion Ratio Lower Upper

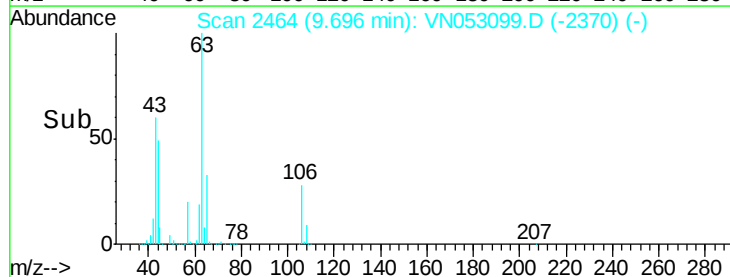
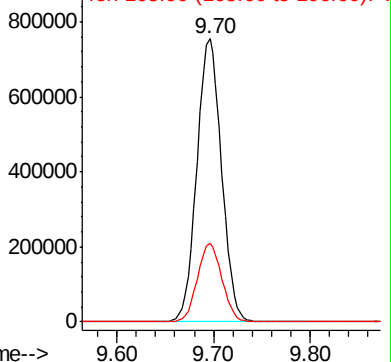
63 100

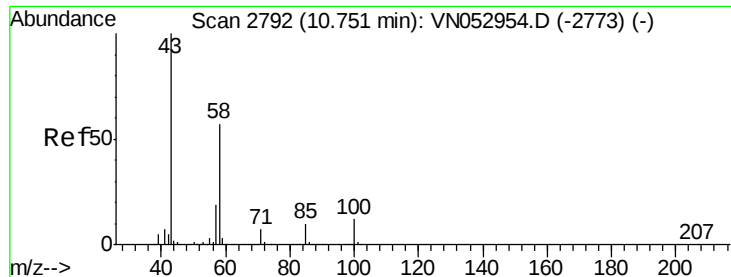
106 27.5 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





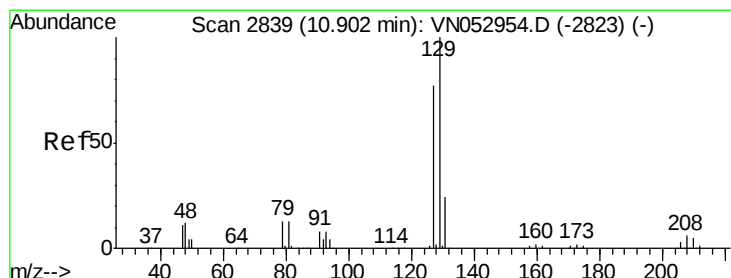
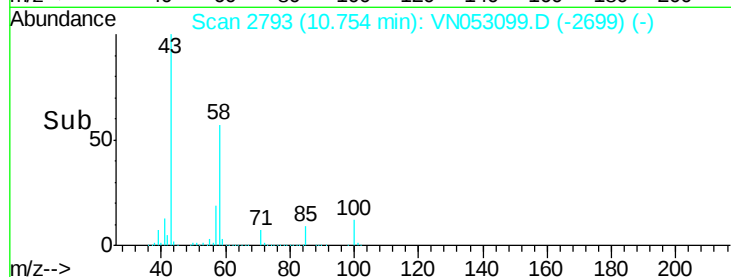
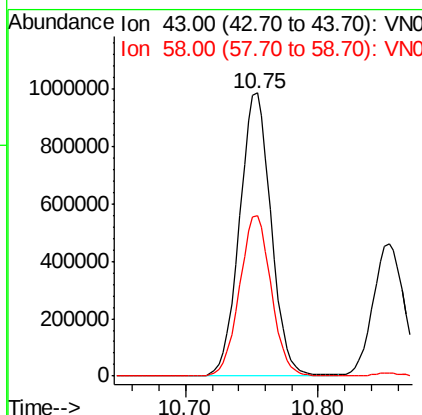
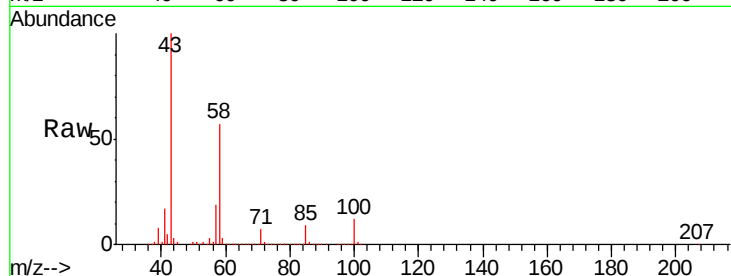
#59
2-Hexanone
Concen: 266.207 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1627367
Ion Ratio Lower Upper
43 100
58 57.1 28.1 84.3

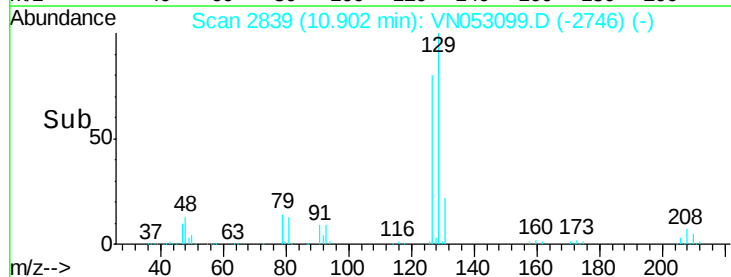
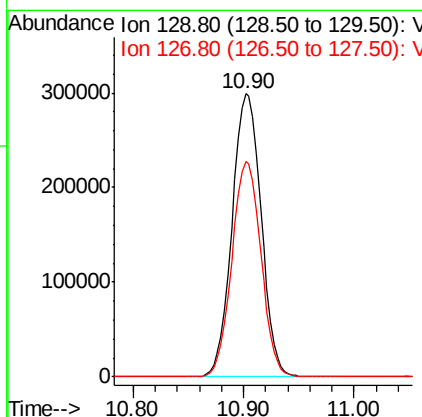
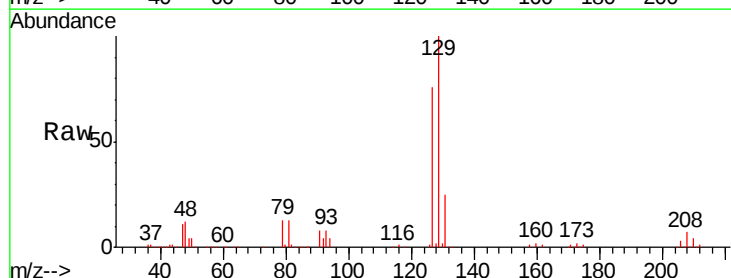
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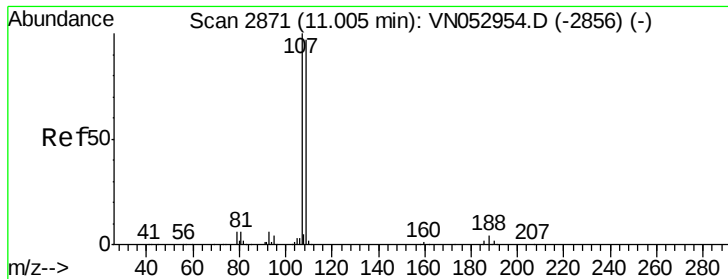
MMDadoda
12/22/2018 10:06:26 AM



#60
Dibromochloromethane
Concen: 44.410 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion: 129 Resp: 546461
Ion Ratio Lower Upper
129 100
127 76.3 38.6 116.0





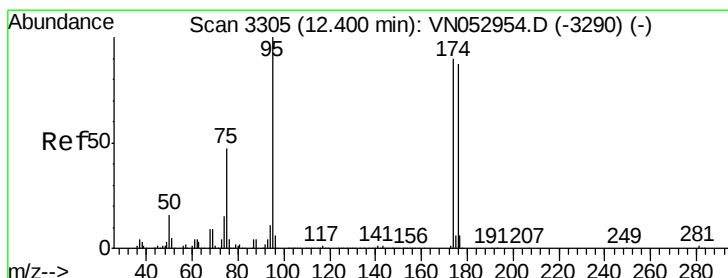
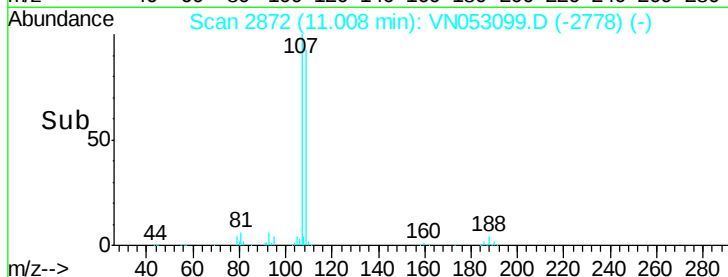
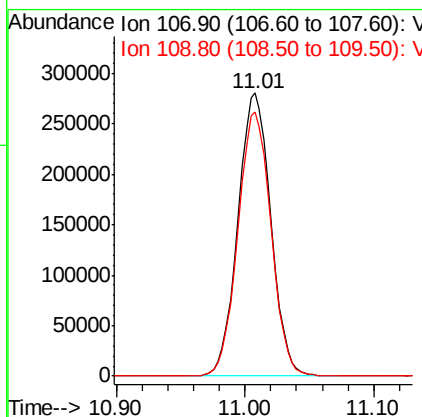
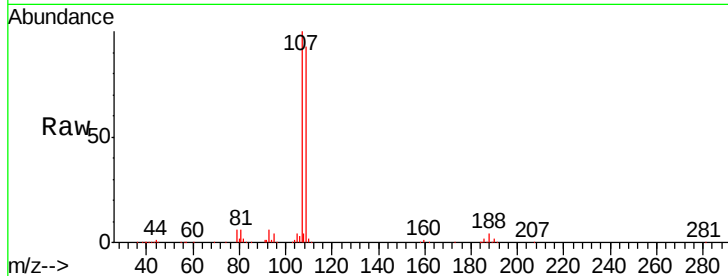
#61
 1,2-Dibromoethane
 Concen: 45.520 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 496960
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.4 113.0

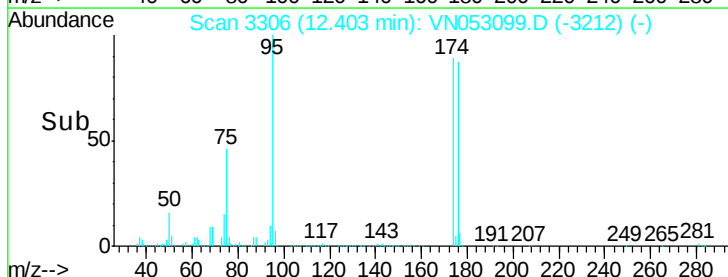
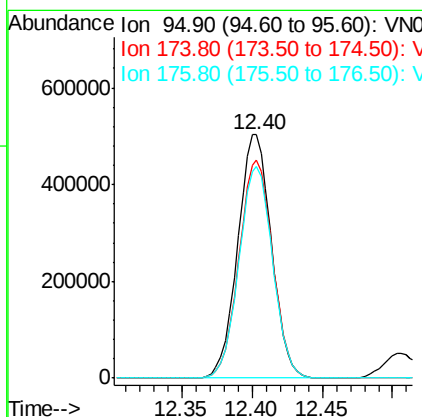
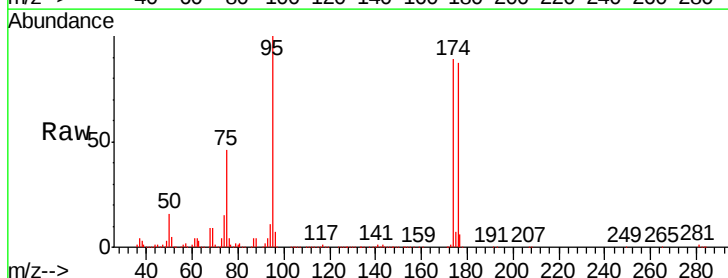
Manual Integrations
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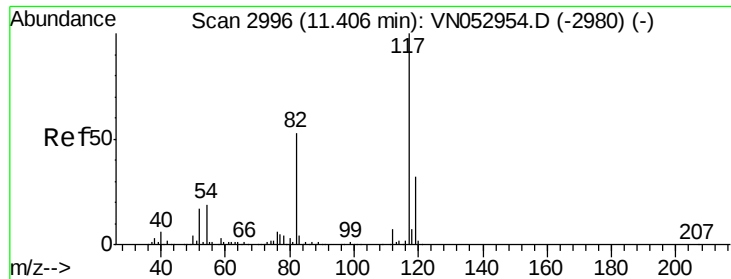
MMDadoda
 12/22/2018 10:06:26 AM



#62
 4-Bromofluorobenzene
 Concen: 45.520 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Tgt Ion: 95 Resp: 841513
 Ion Ratio Lower Upper
 95 100
 174 89.4 0.0 178.8
 176 86.8 0.0 173.8





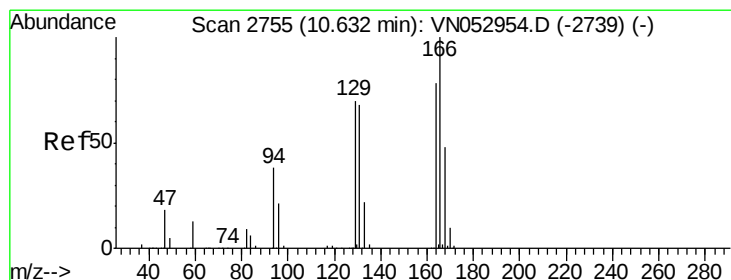
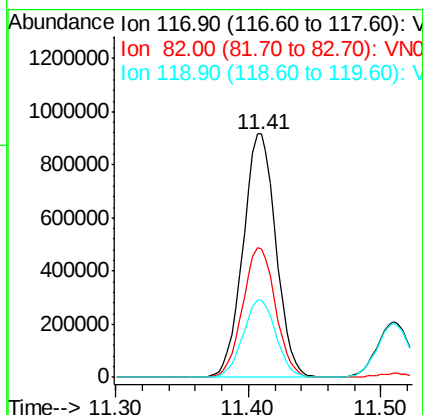
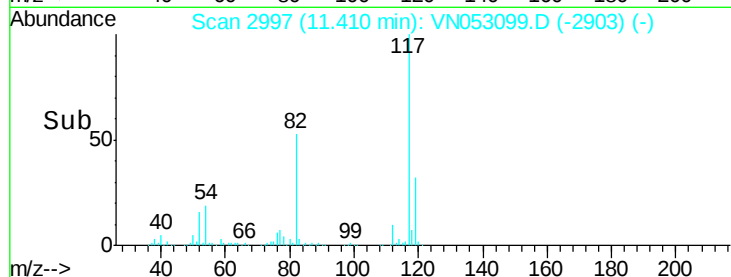
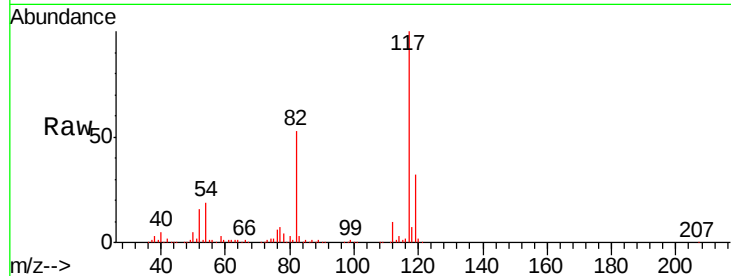
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 1574917
Ion Ratio Lower Upper
117 100
82 52.7 42.8 64.2
119 31.8 25.5 38.3

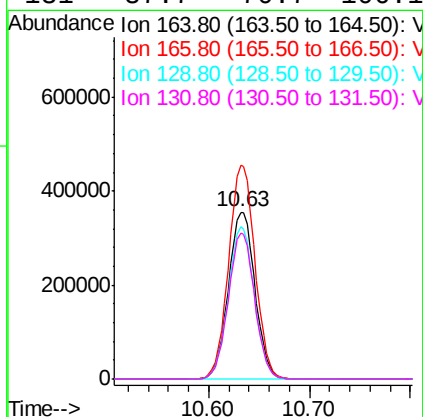
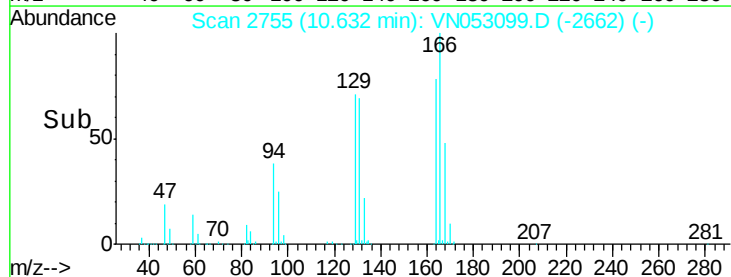
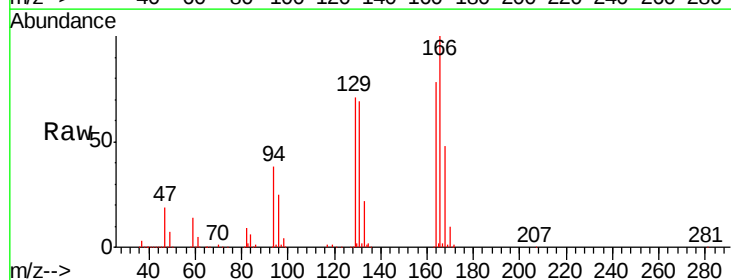
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#64
Tetrachloroethene
Concen: 38.200 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion:164 Resp: 651686
Ion Ratio Lower Upper
164 100
166 127.9 102.9 154.3
129 91.1 73.7 110.5
131 87.7 70.7 106.1





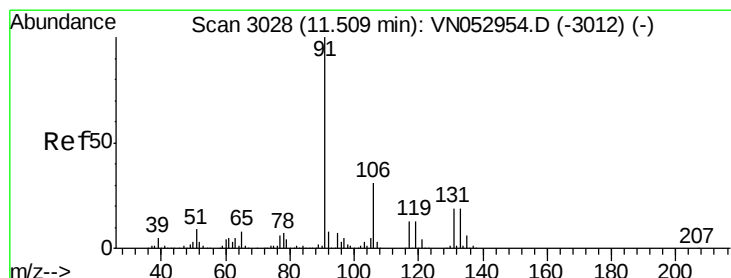
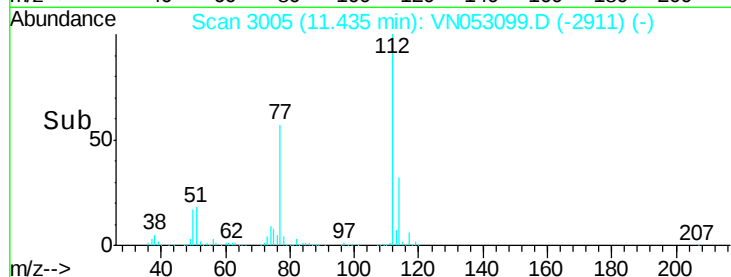
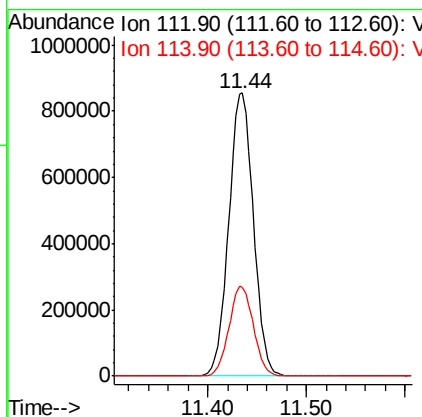
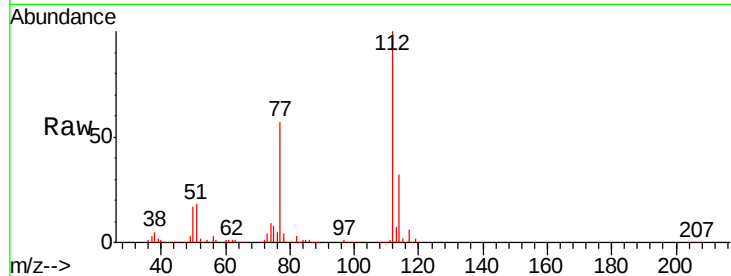
#65
Chlorobenzene
Concen: 42.639 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 1488589
Ion Ratio Lower Upper
112 100
114 31.6 25.5 38.3

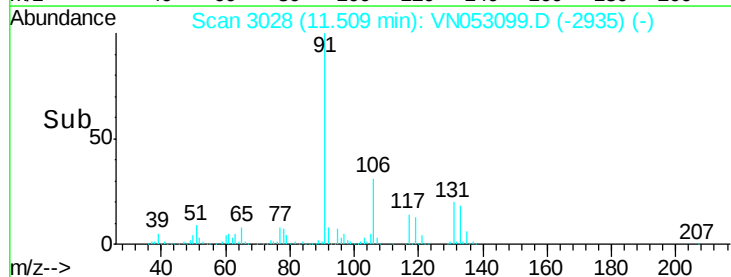
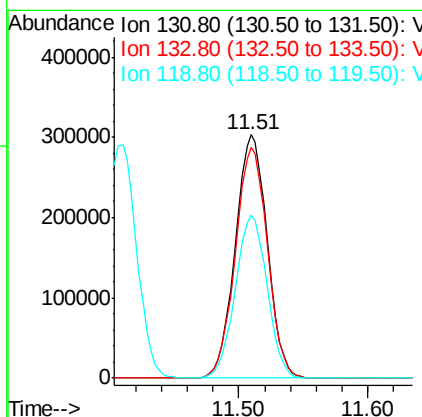
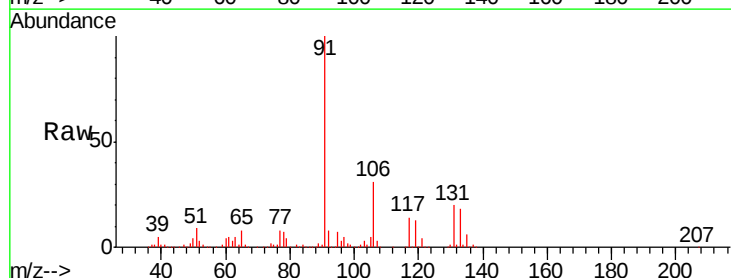
Manual Integrations
APPROVED

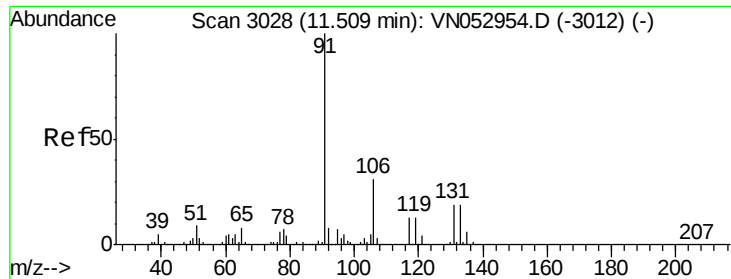
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#66
1,1,1,2-Tetrachloroethane
Concen: 42.909 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion:131 Resp: 520926
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 66.9 33.3 99.8





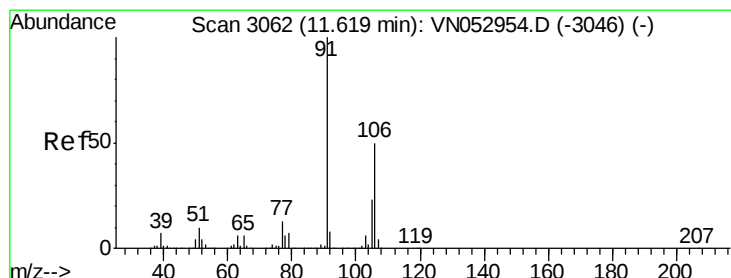
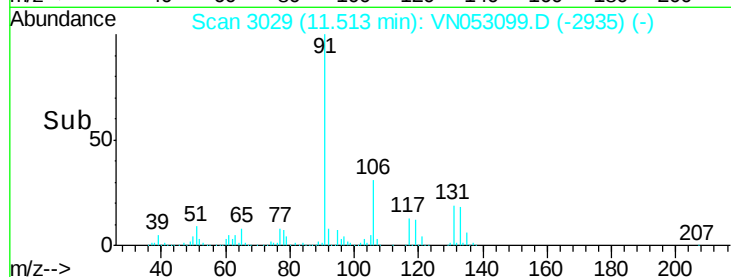
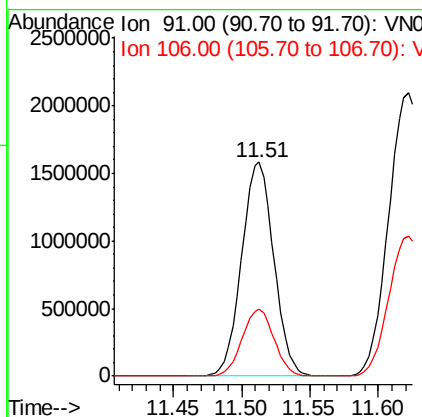
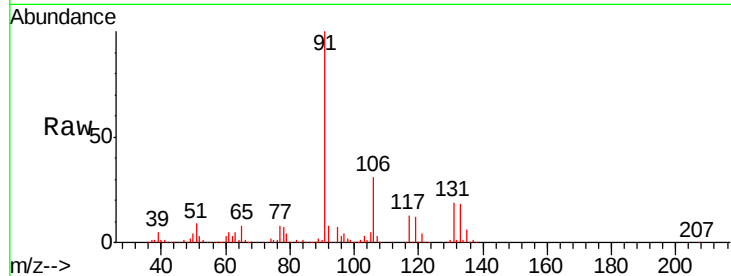
#67
Ethyl Benzene
Concen: 43.193 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 2593250
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3

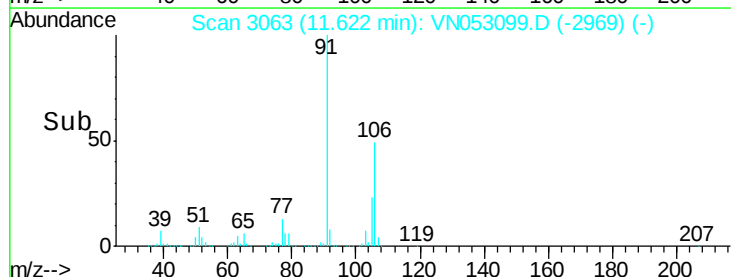
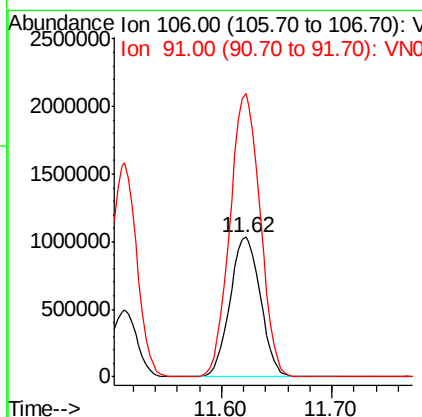
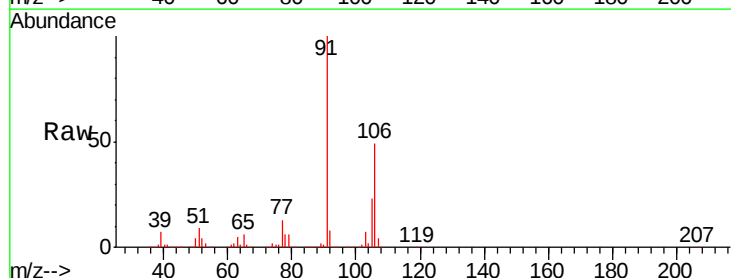
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#68
m/p-Xylenes
Concen: 86.483 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion: 106 Resp: 1973898
Ion Ratio Lower Upper
106 100
91 202.0 162.2 243.4





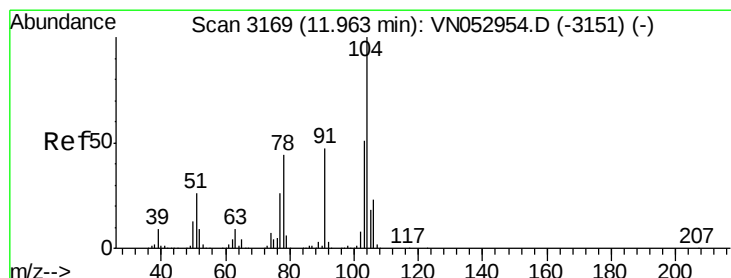
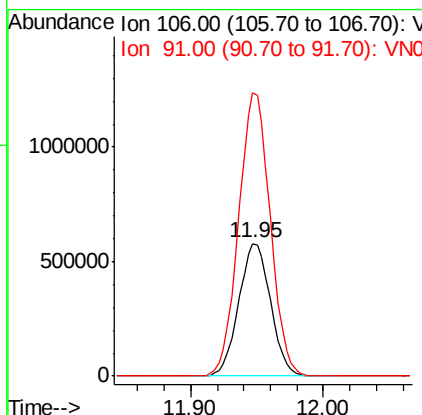
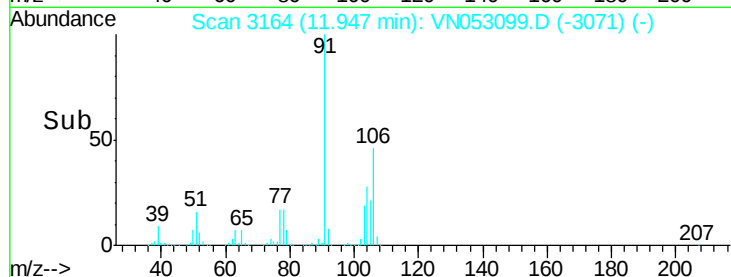
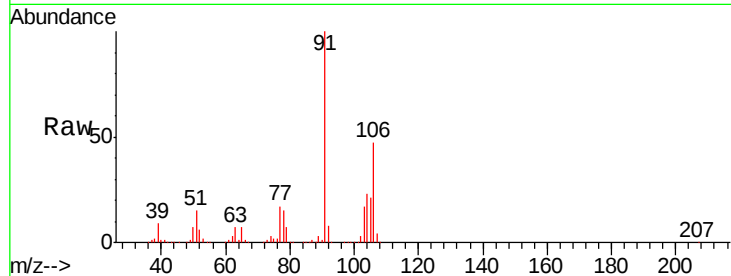
#69
o-Xylene
Concen: 44.046 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 964675
Ion Ratio Lower Upper
106 100
91 212.0 106.6 319.8

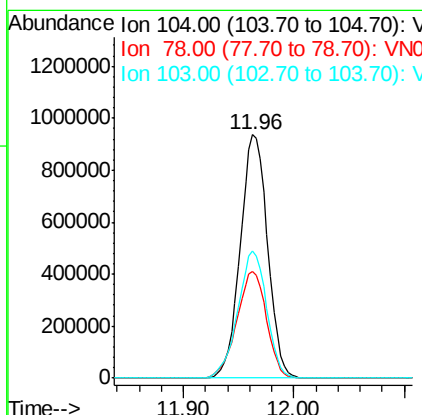
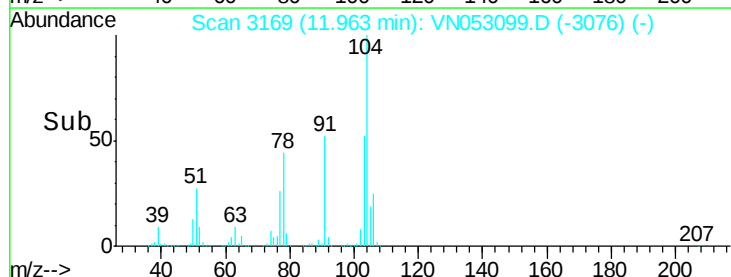
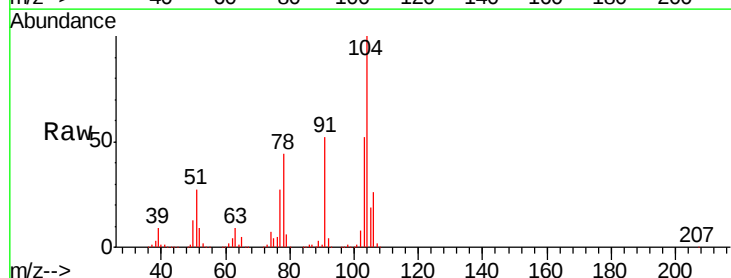
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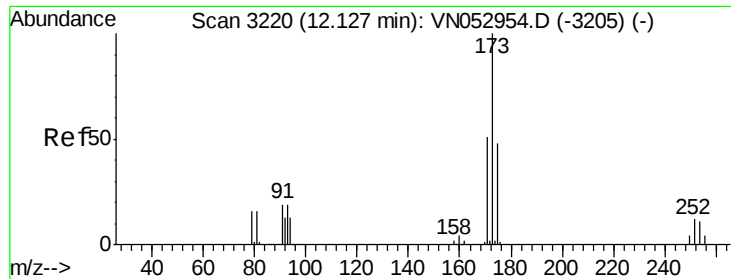
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#70
Styrene
Concen: 44.800 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion:104 Resp: 1599930
Ion Ratio Lower Upper
104 100
78 47.9 38.9 58.3
103 55.4 44.3 66.5





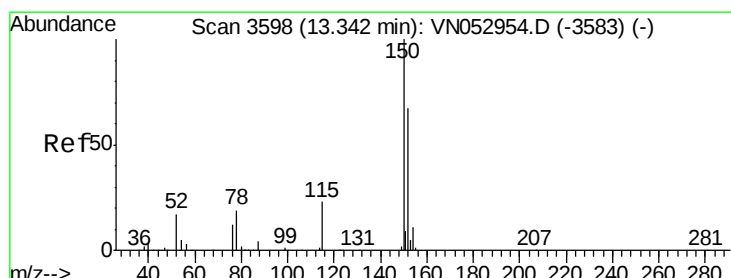
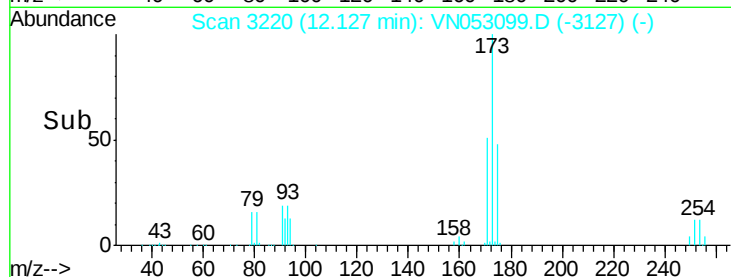
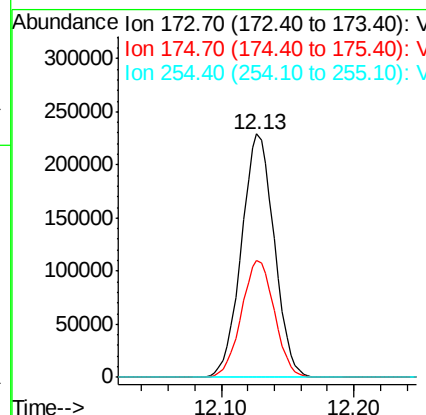
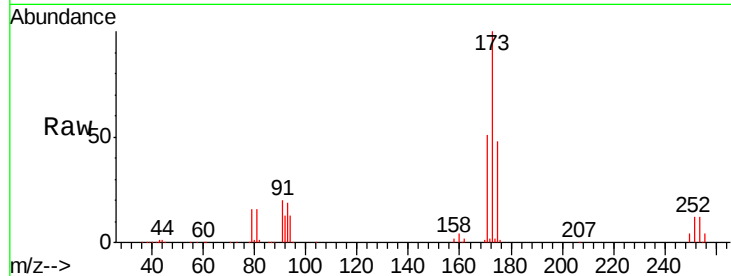
#71
Bromoform
Concen: 44.753 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.9
254	0.1	0.1	0.1

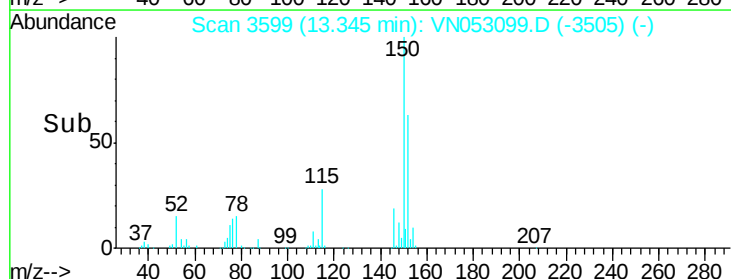
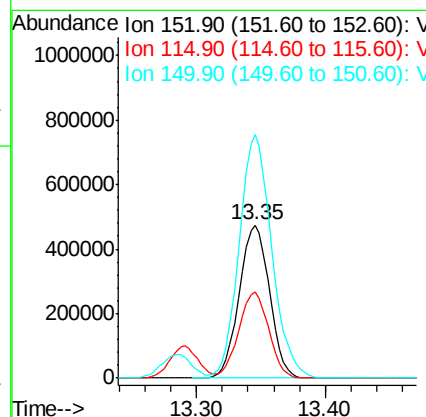
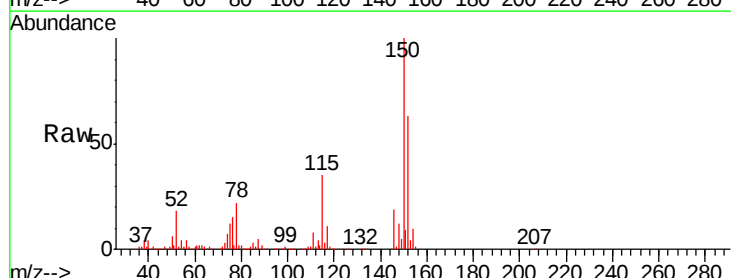
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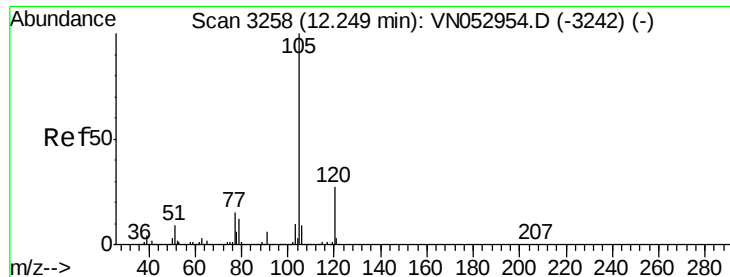
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.3	85.0
150	171.7	0.0	347.8





#73

Isopropylbenzene

Concen: 42.416 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 2561168

Ion Ratio Lower Upper

105 100

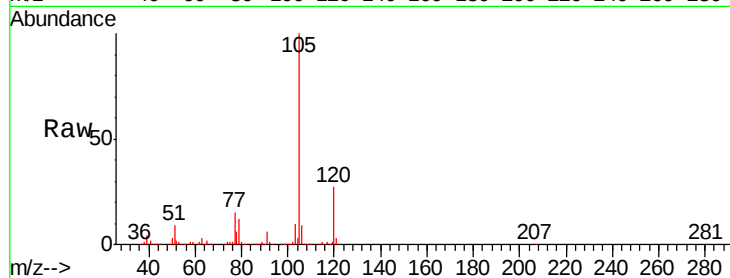
120 26.5 13.3 39.9

Manual Integrations

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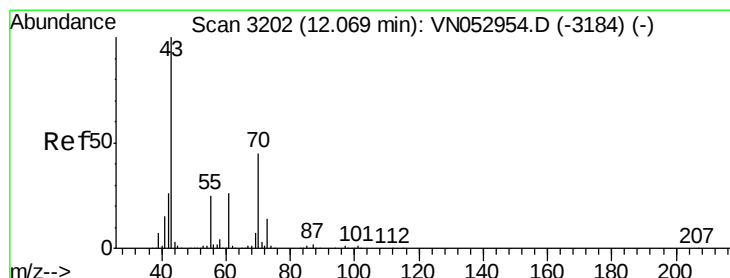
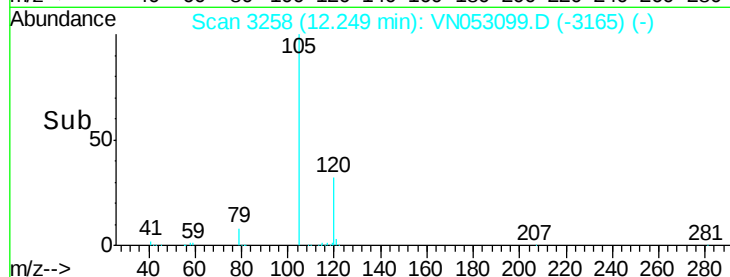
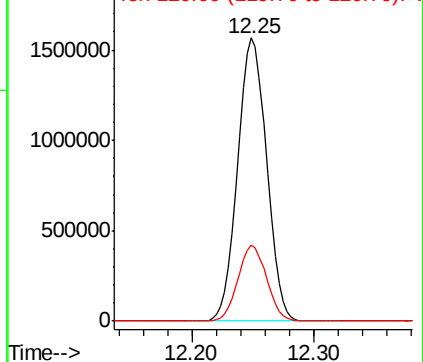
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.904 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Tgt Ion: 43 Resp: 803075

Ion Ratio Lower Upper

43 100

70 43.7 34.2 51.4

55 24.4 20.3 30.5

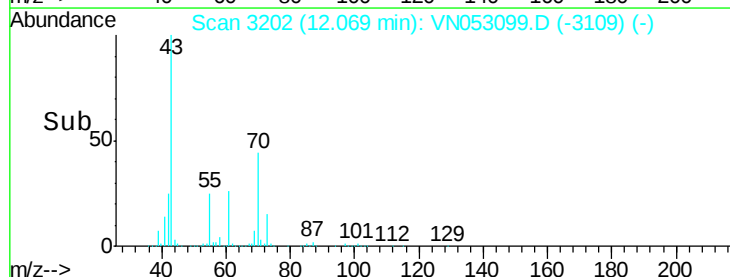
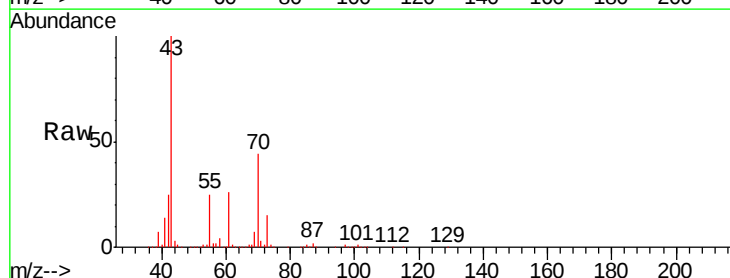
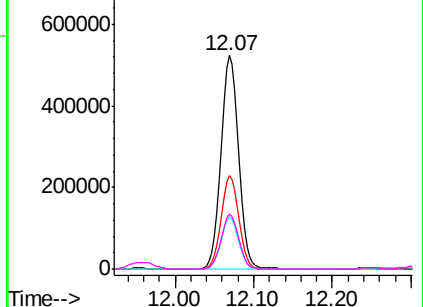
61 25.6 20.0 30.0

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: 50.285 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 595683
Ion Ratio Lower Upper

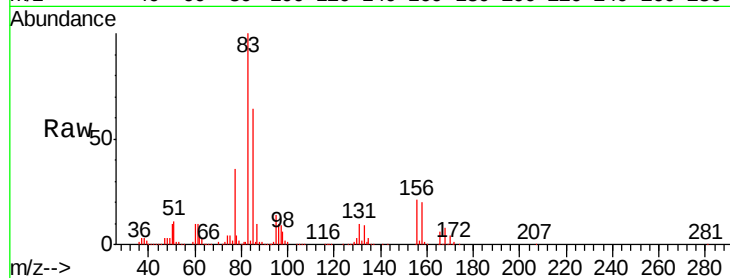
83 100

131 10.2 5.2 15.6

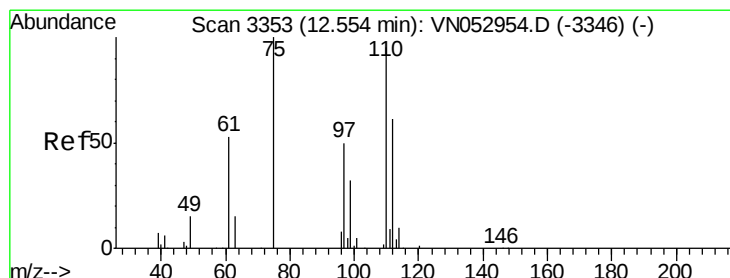
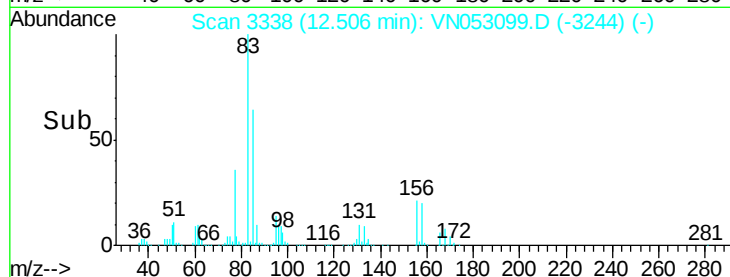
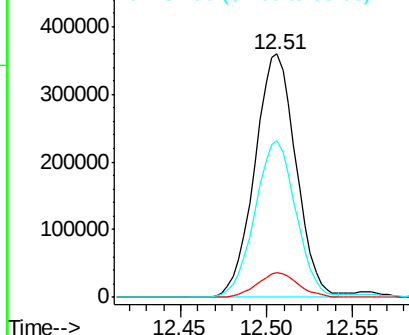
85 64.1 32.4 97.0

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 40.699 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

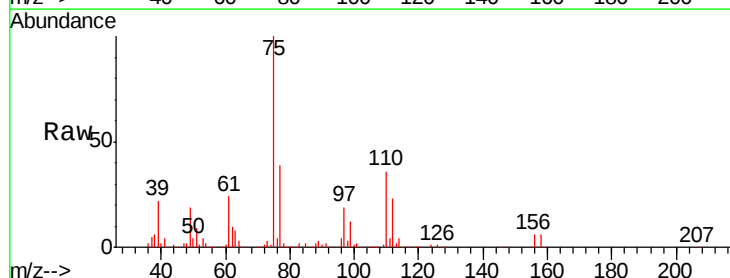
Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

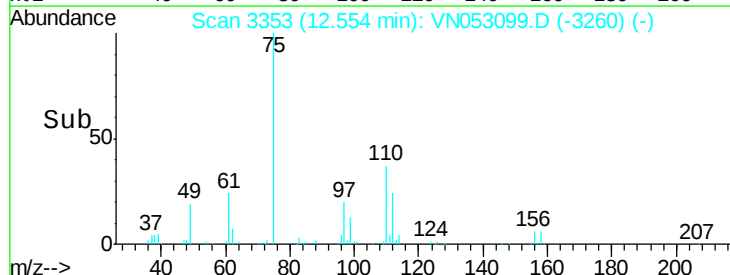
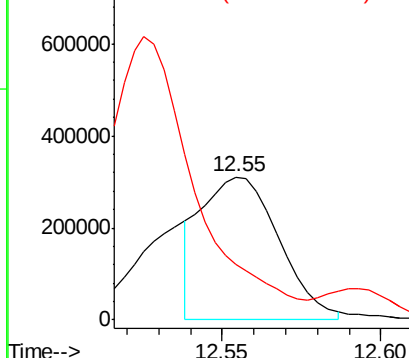
Tgt Ion: 75 Resp: 528745
Ion Ratio Lower Upper

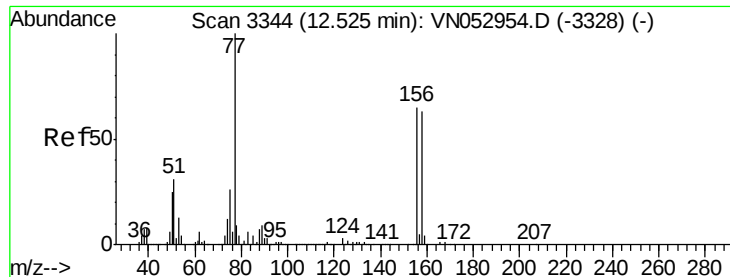
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 42.403 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

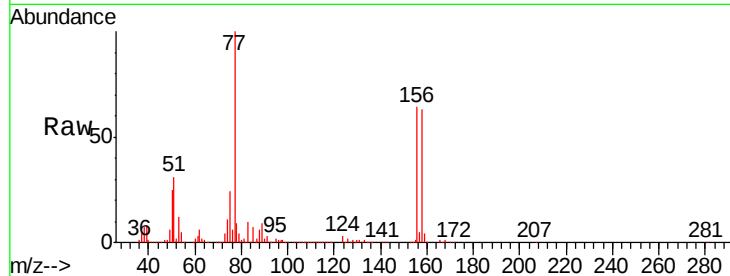
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	665565
Ion Ratio	Lower	Upper	
156	100		
77	182.2	91.3	273.8
158	97.7	49.0	147.2

Manual Integrations
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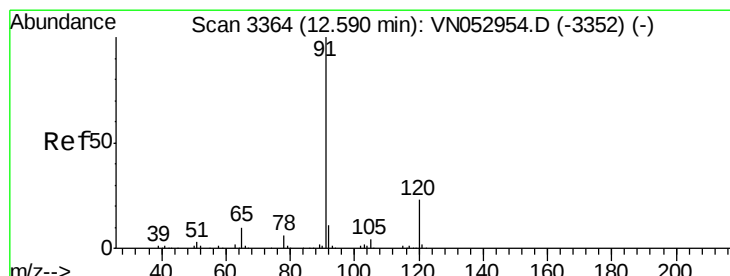
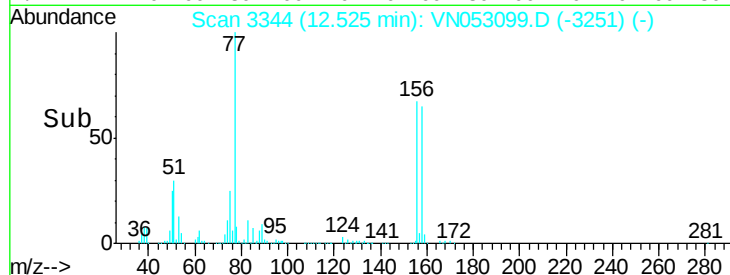
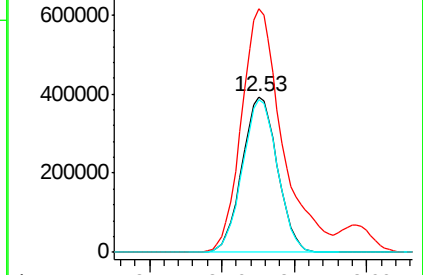
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 42.596 ug/l

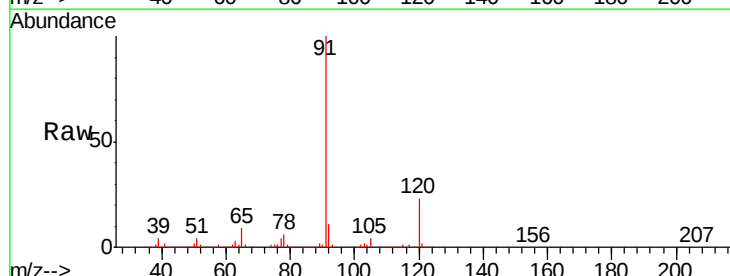
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053099.D

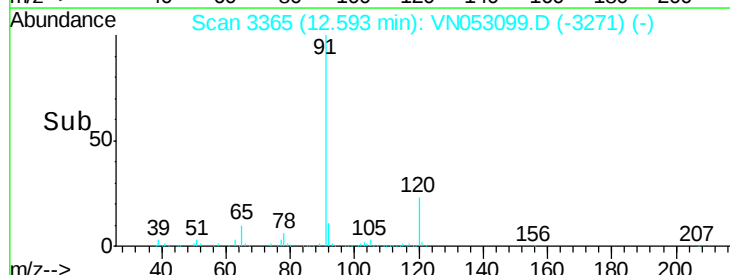
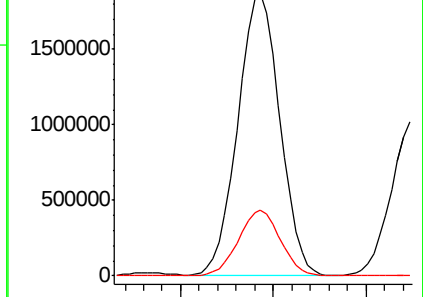
Acq: 21 Dec 2018 13:21

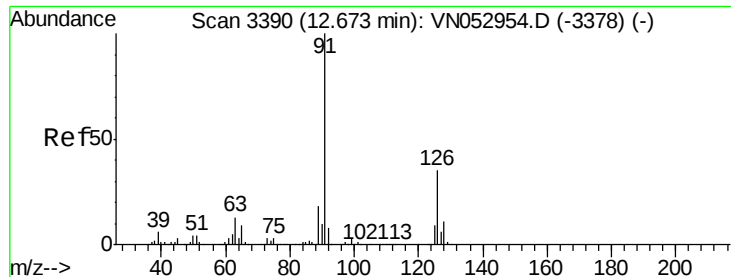
Tgt Ion:	91	Resp:	2929344
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 40.346 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1719830

Ion Ratio Lower Upper

91 100

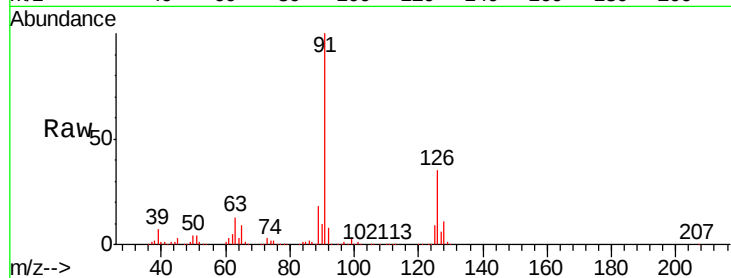
126 35.1 17.4 52.3

Manual Integrations

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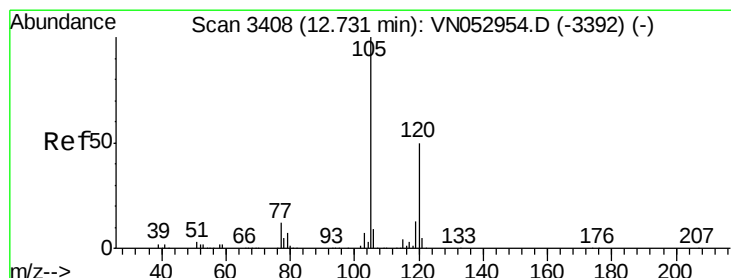
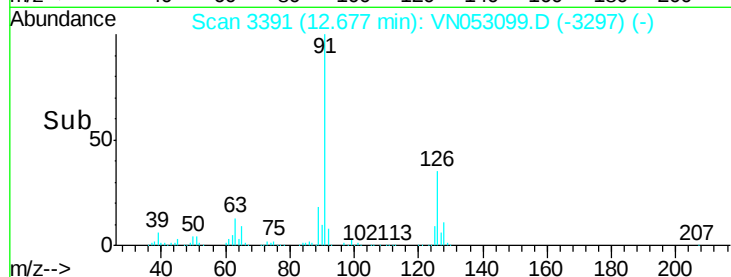
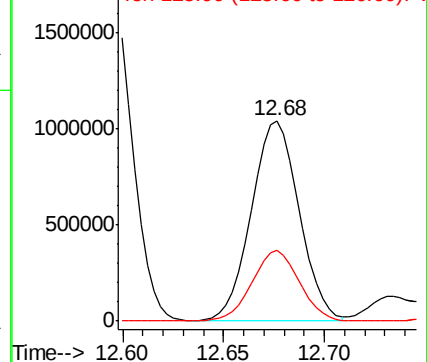
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Abundance Ion 91.00 (90.70 to 91.70): VN053099.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN053099.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 41.979 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053099.D

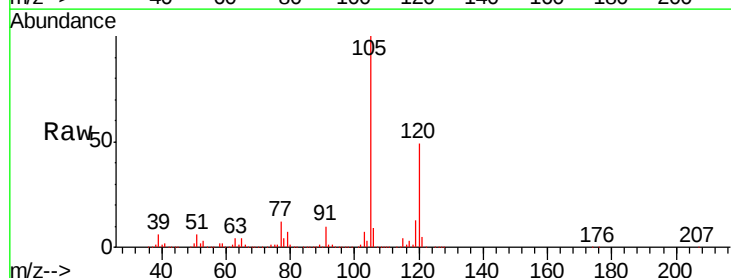
Acq: 21 Dec 2018 13:21

Tgt Ion: 105 Resp: 2066075

Ion Ratio Lower Upper

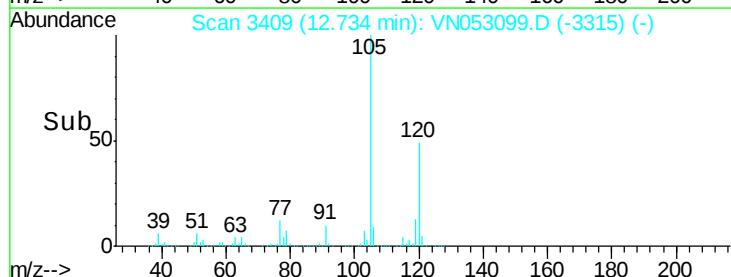
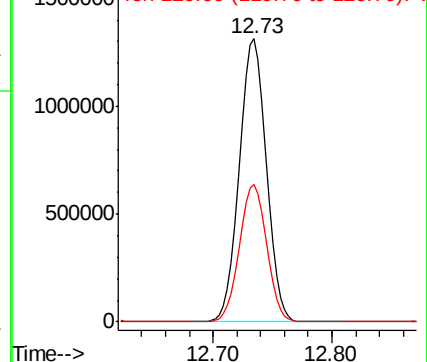
105 100

120 48.9 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN053099.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN053099.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.500 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

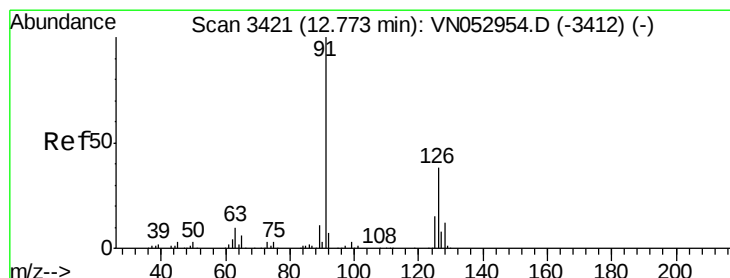
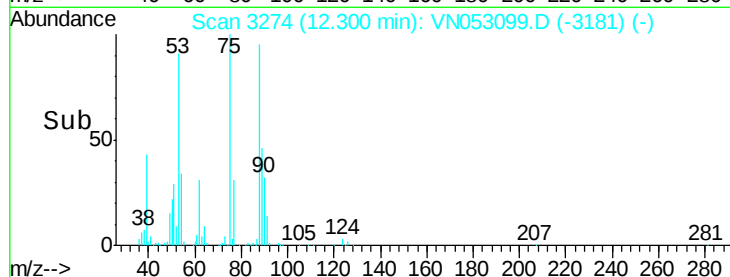
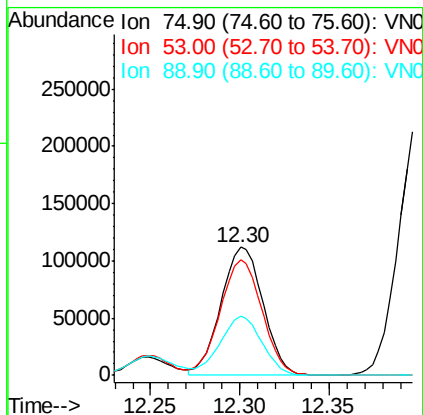
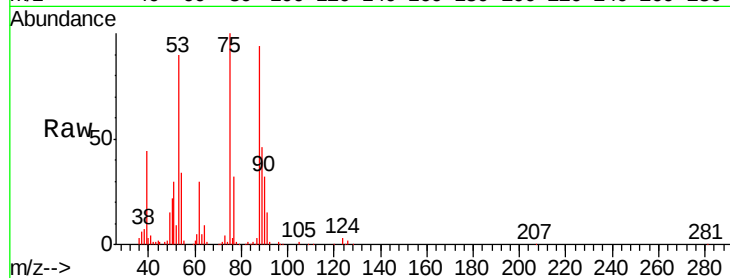
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	183401
Ion Ratio	Lower	Upper	
75	100		
53	90.0	74.7	112.1
89	46.3	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 42.701 ug/l

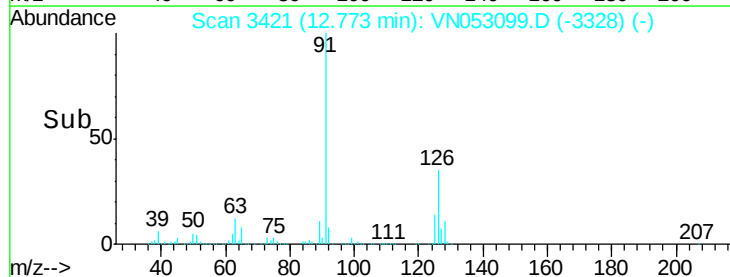
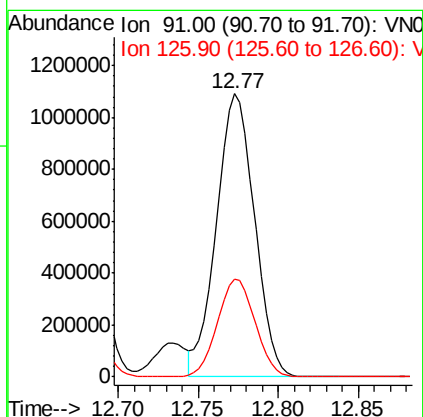
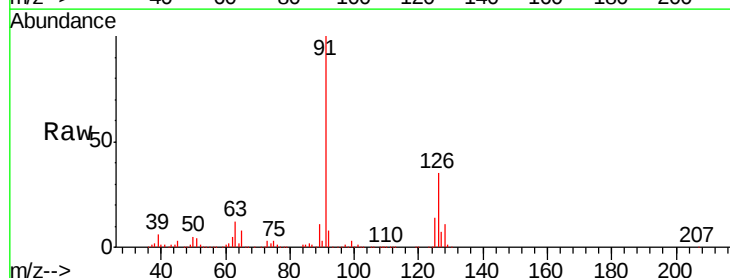
RT: 12.77 min Scan# 3421

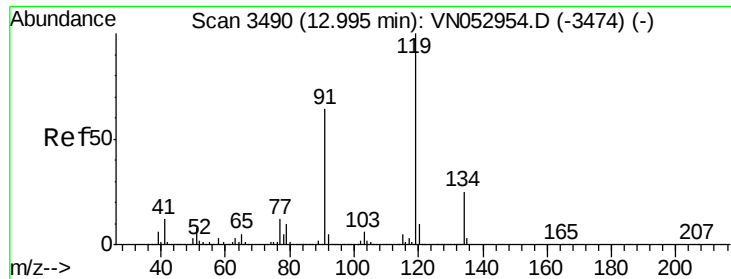
Delta R.T. -0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Tgt Ion:	91	Resp:	1781846
Ion Ratio	Lower	Upper	
91	100		
126	34.3	17.3	51.7





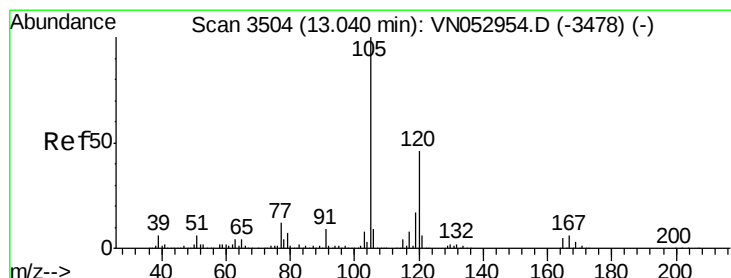
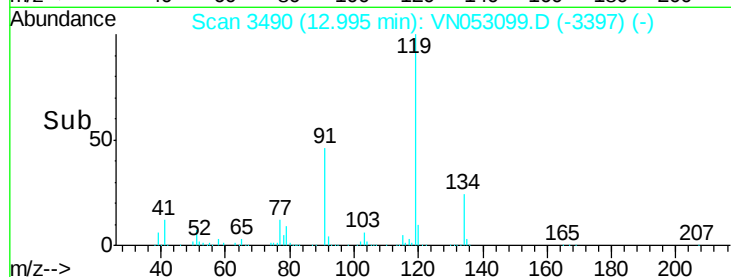
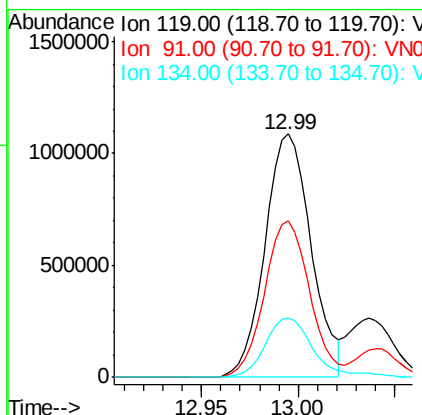
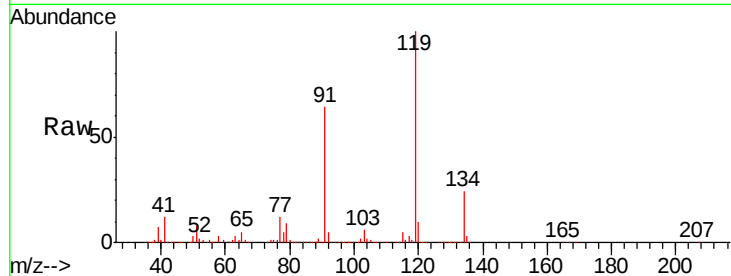
#83
 tert-Butylbenzene
 Concen: 41.444 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	63.2	31.9	95.5
134	25.6	12.8	38.4

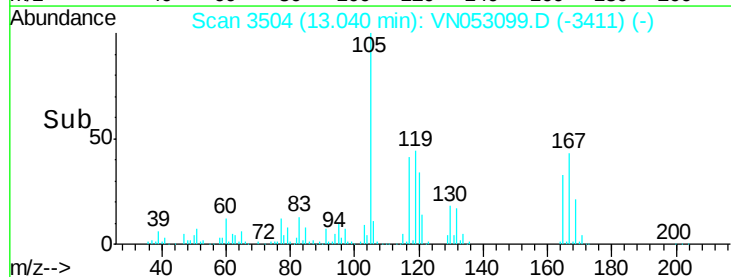
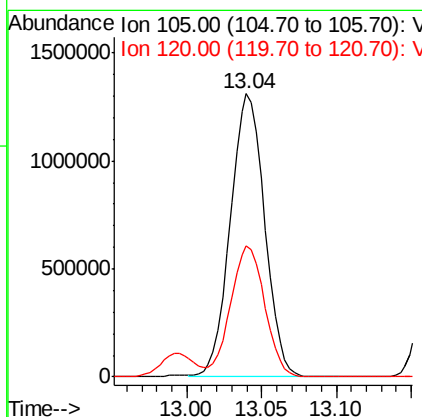
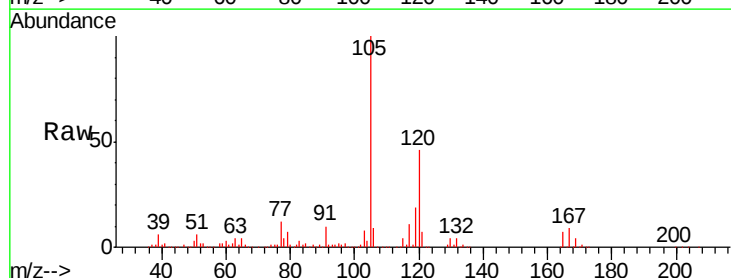
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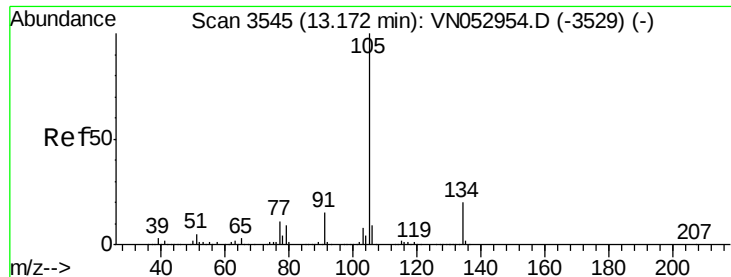
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#84
 1,2,4-Trimethylbenzene
 Concen: 42.147 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.9	68.8





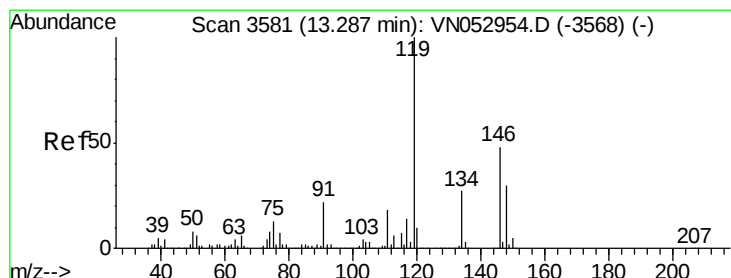
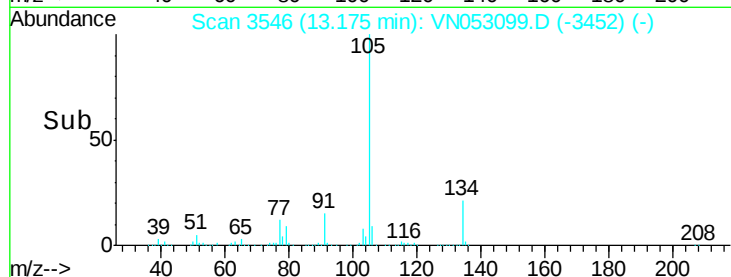
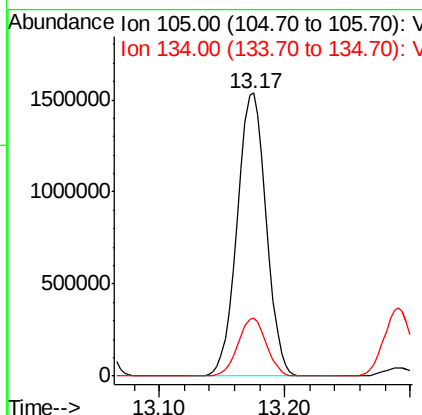
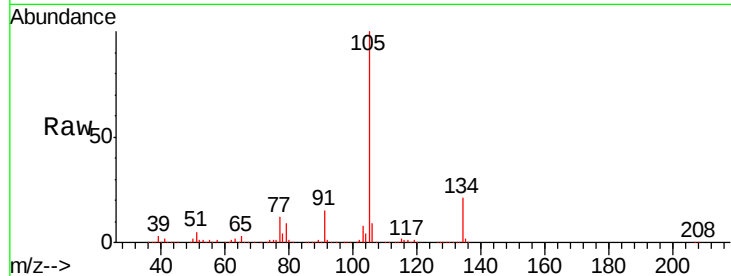
#85
 sec-Butylbenzene
 Concen: 41.844 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 2463621
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.3

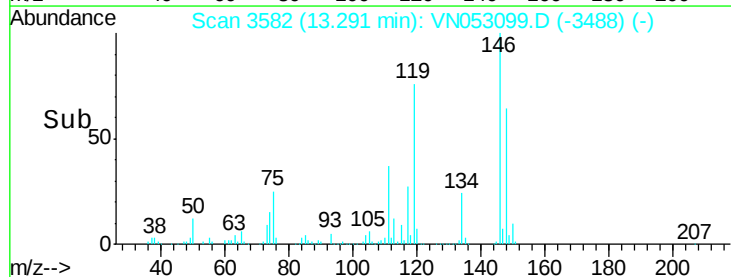
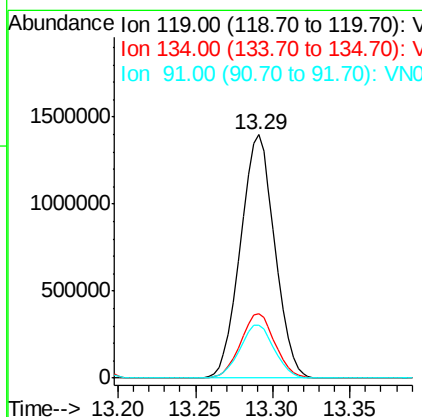
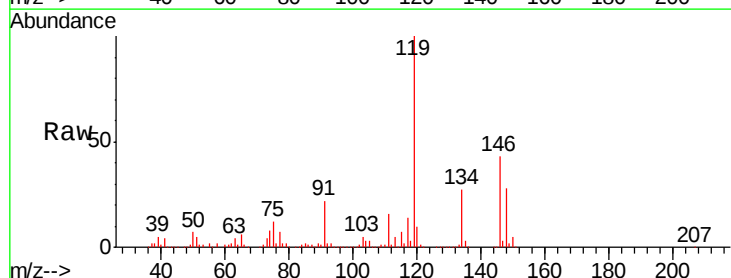
Manual Integrations
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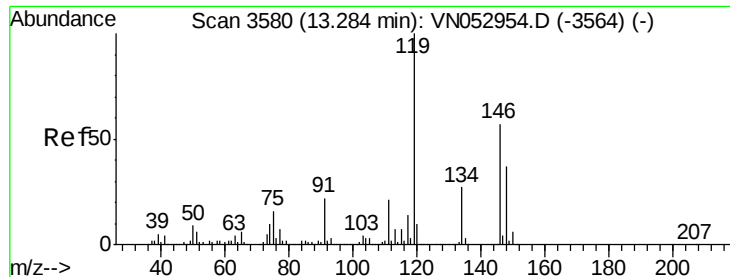
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#86
 p-Isopropyltoluene
 Concen: 42.225 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Tgt Ion:119 Resp: 2148116
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.4 40.2
 91 21.9 11.1 33.3





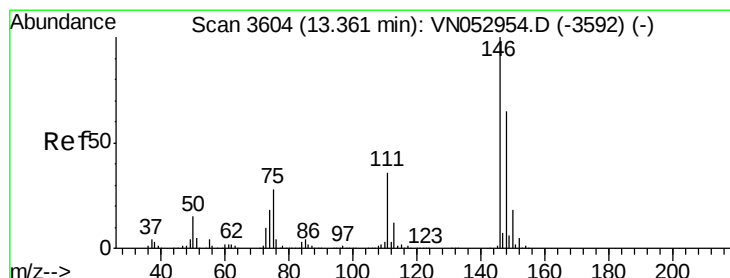
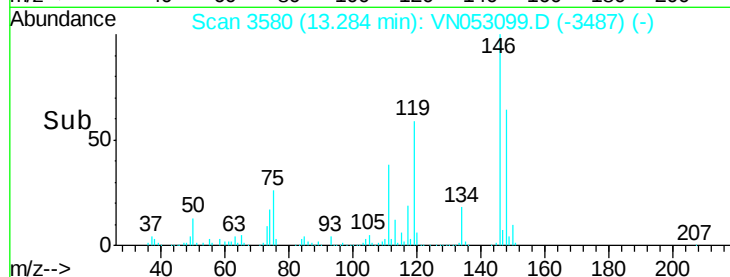
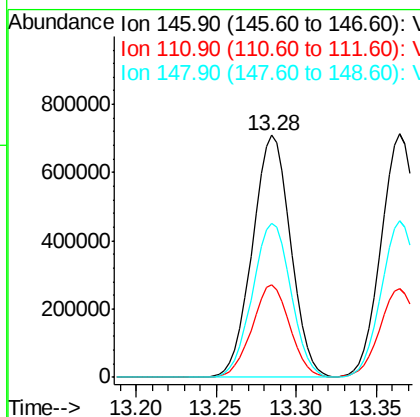
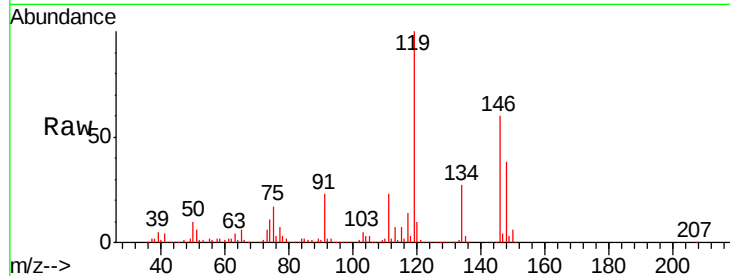
#87
 1,3-Dichlorobenzene
 Concen: 42.108 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 1169755
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.1 57.1
 148 64.2 32.0 96.0

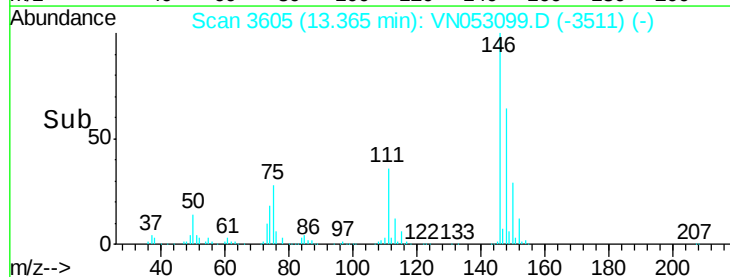
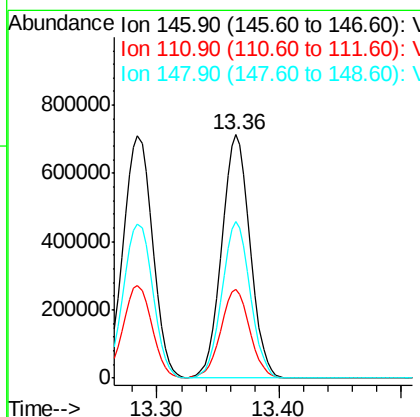
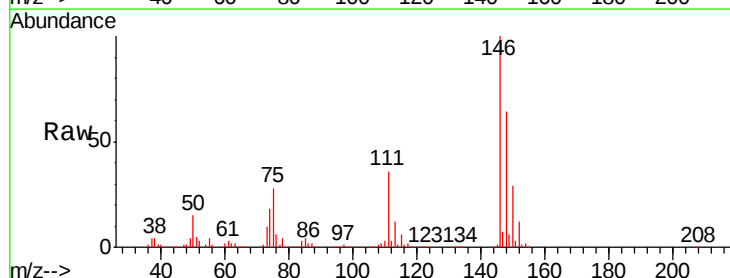
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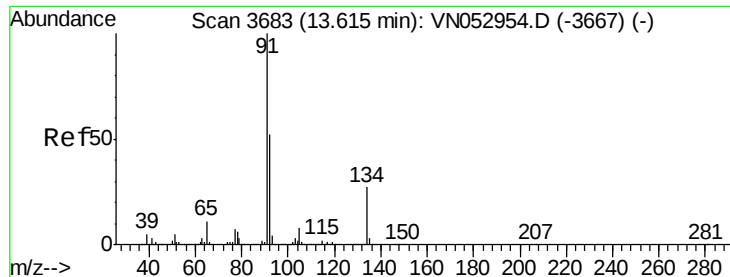
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#88
 1,4-Dichlorobenzene
 Concen: 41.315 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Tgt Ion:146 Resp: 1162285
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.8
 148 64.2 32.1 96.5





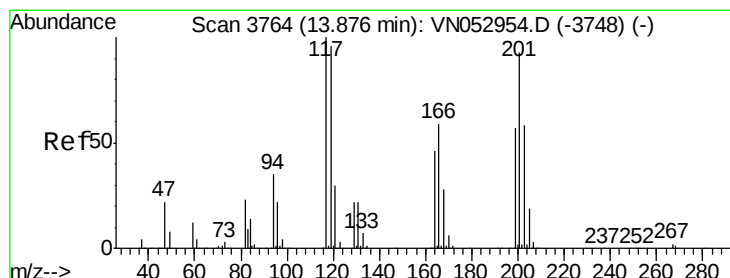
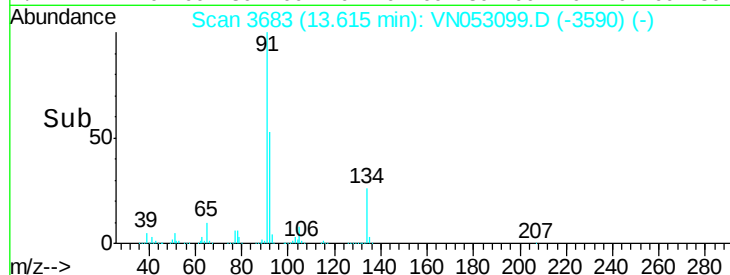
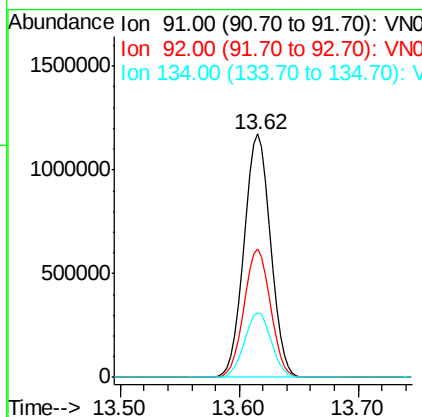
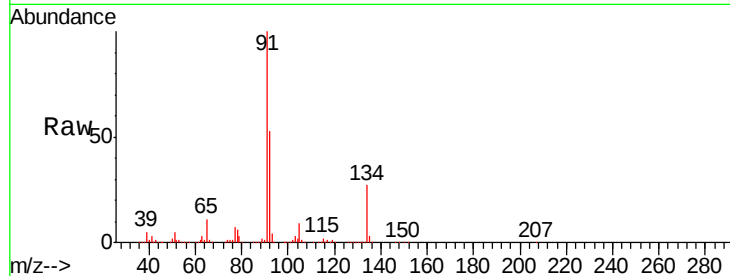
#89
n-Butylbenzene
Concen: 41.273 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1806406
Ion Ratio Lower Upper
91 100
92 52.7 26.3 78.9
134 26.8 13.3 39.8

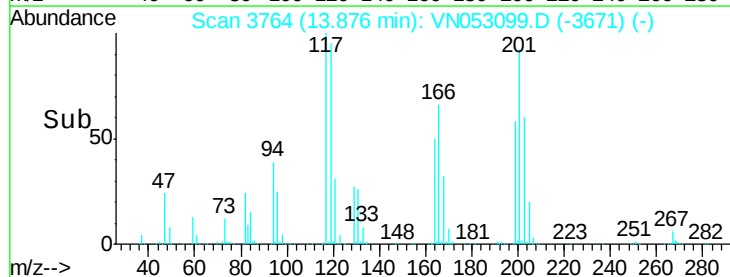
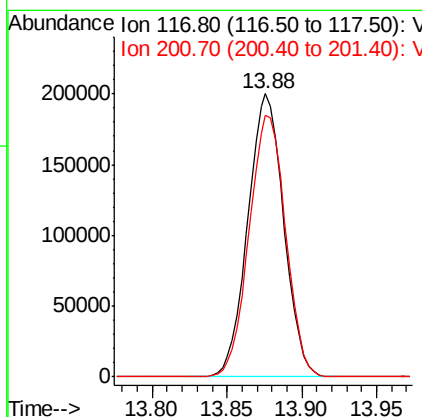
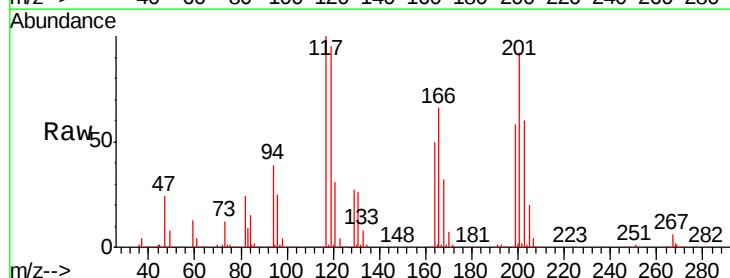
Manual Integrations
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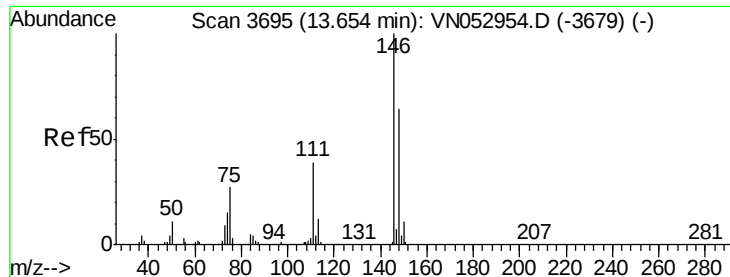
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#90
Hexachloroethane
Concen: 42.785 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053099.D
Acq: 21 Dec 2018 13:21

Tgt Ion: 117 Resp: 334025
Ion Ratio Lower Upper
117 100
201 93.9 45.7 137.1





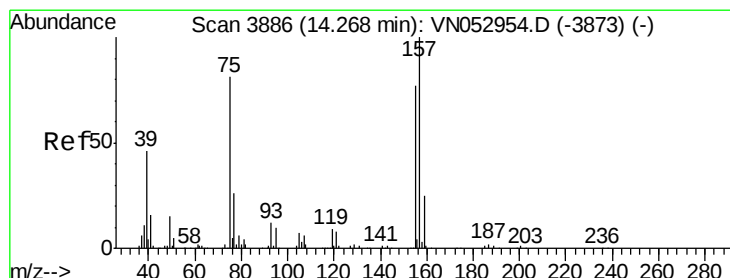
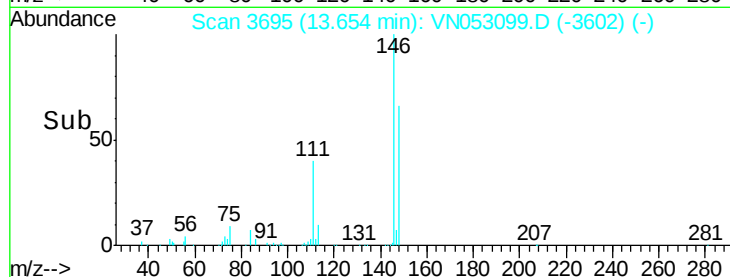
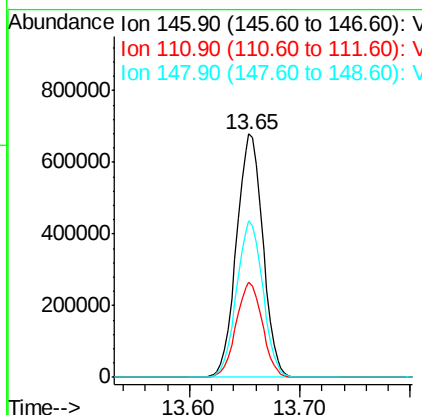
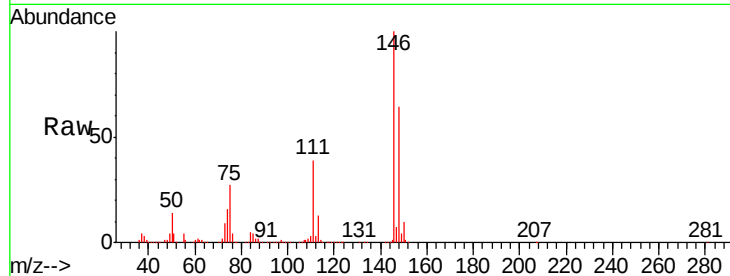
#91
 1,2-Dichlorobenzene
 Concen: 42.910 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 146 Resp: 1121882
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.7 59.0
 148 64.1 32.0 96.0

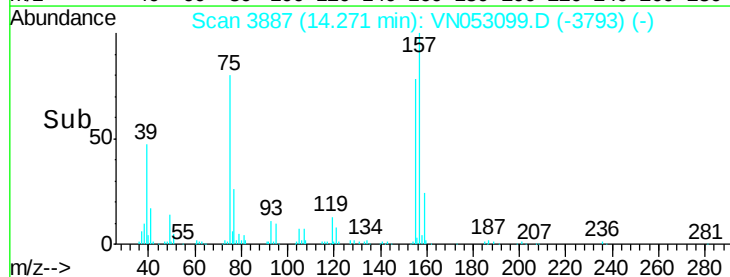
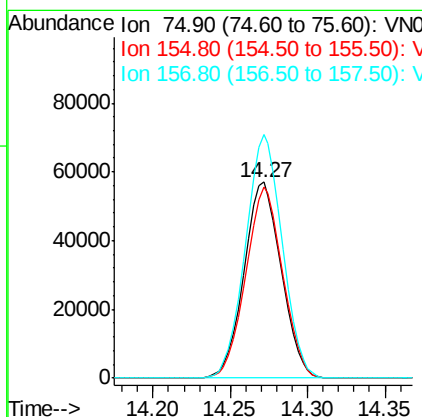
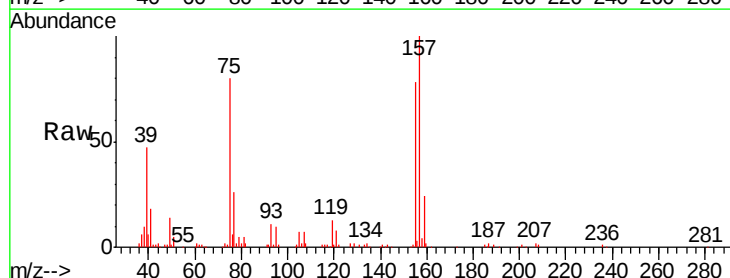
Manual Integrations
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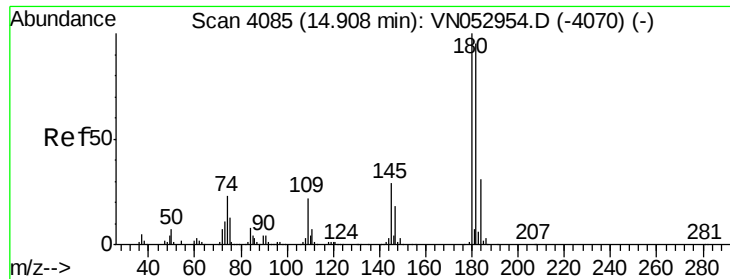
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.687 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Tgt Ion: 75 Resp: 95628
 Ion Ratio Lower Upper
 75 100
 155 96.2 48.2 144.6
 157 122.5 61.2 183.5





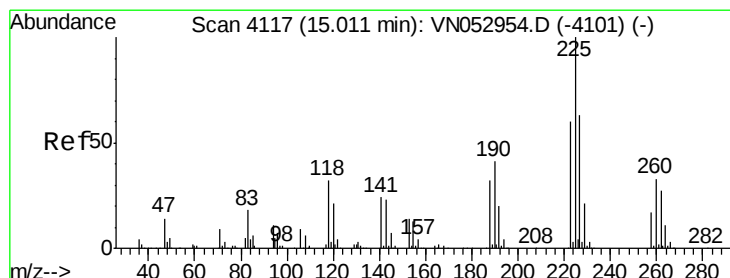
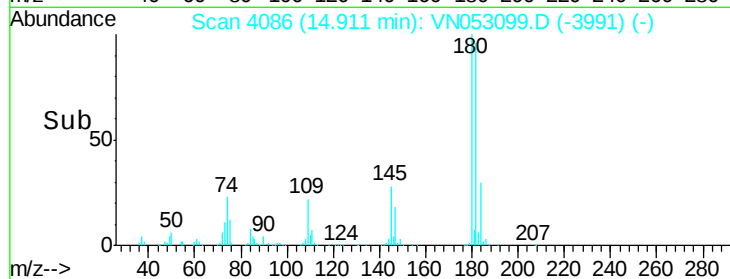
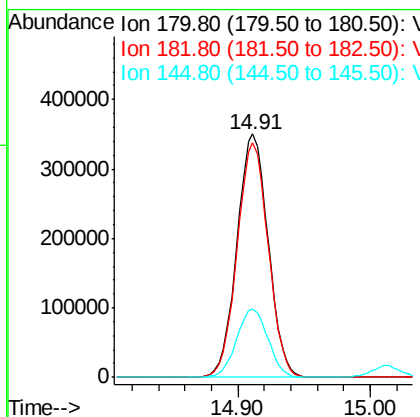
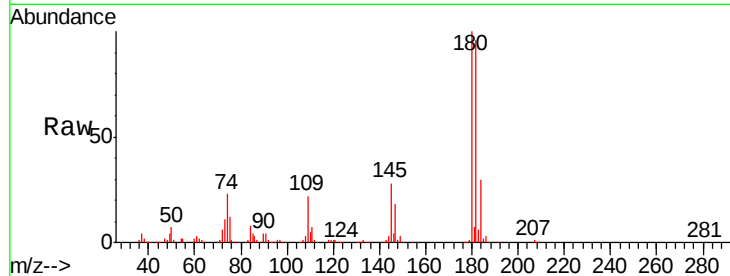
#93
 1,2,4-Trichlorobenzene
 Concen: 41.375 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.8	143.3
145	28.4	14.2	42.6

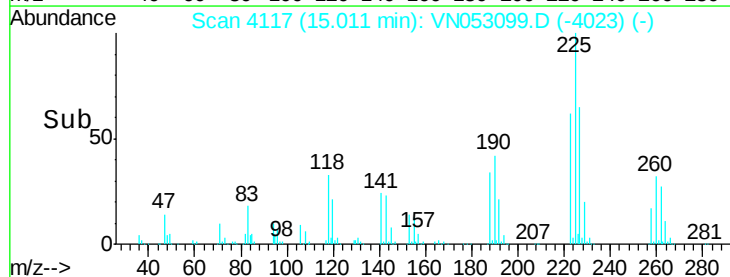
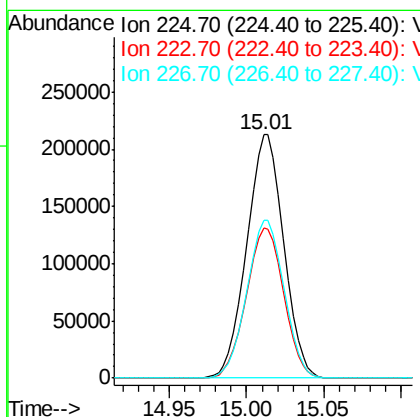
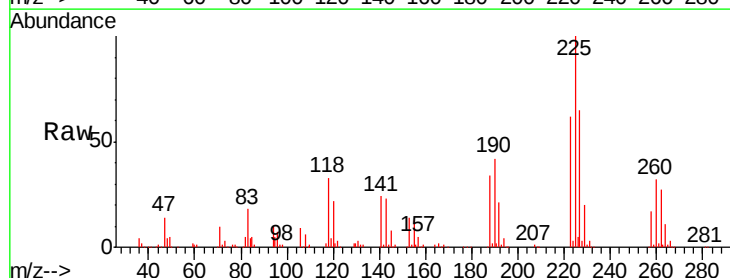
Manual Integrations
 APPROVED

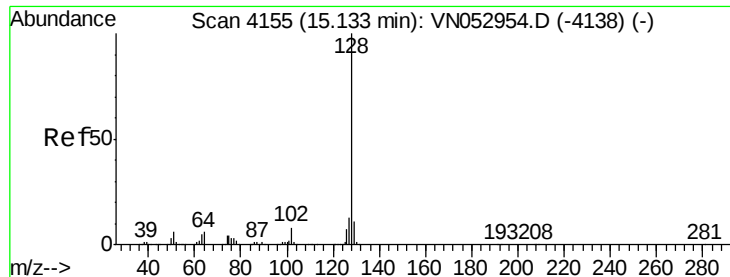
MMDadoda
 12/22/2018 10:06:26 AM



#94
 Hexachlorobutadiene
 Concen: 49.336 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053099.D
 Acq: 21 Dec 2018 13:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.5	94.5
227	65.3	31.9	95.7





#95

Naphthalene

Concen: 41.955 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 1267328

Ion Ratio Lower Upper

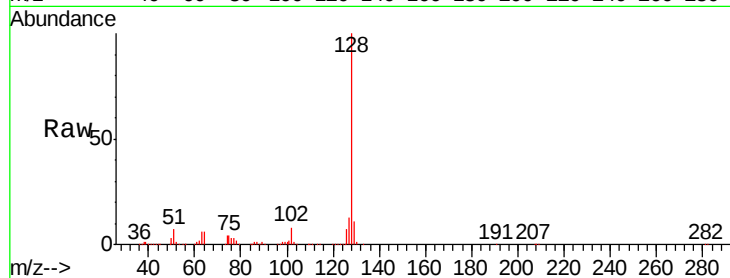
128 100

127 12.8 10.2 15.4

129 11.0 8.6 13.0

Manual Integrations
APPROVED

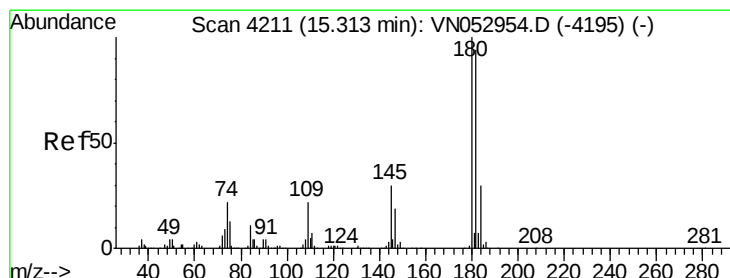
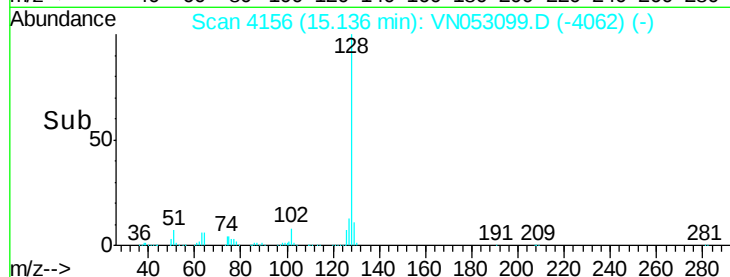
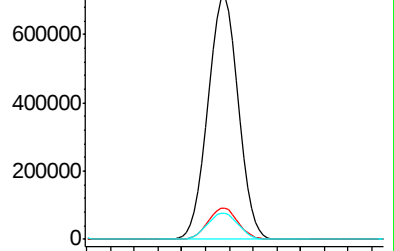
MMDadoda
12/22/2018 10:06:26 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 41.522 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053099.D

Acq: 21 Dec 2018 13:21

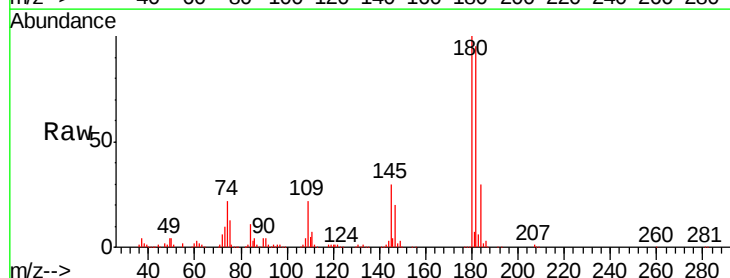
Tgt Ion:180 Resp: 516852

Ion Ratio Lower Upper

180 100

182 95.5 47.9 143.7

145 30.0 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

