

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010219\
 Data File : VN053236.D
 Acq On : 2 Jan 2019 9:37
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 9:55:31 AM

Quant Time: Jan 03 01:35:22 2019
 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	919482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1363468	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1239785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	598595	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	463608	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	7.59	113	400553	64.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.62%	
50) Toluene-d8	10.09	98	1716040	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.40	95	618868	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	428202	46.014	ug/l	99
3) Chloromethane	2.06	50	536714	47.595	ug/l	99
4) Vinyl Chloride	2.19	62	538711	47.170	ug/l	100
5) Bromomethane	2.57	94	383606	48.480	ug/l	99
6) Chloroethane	2.71	64	328241	48.528	ug/l	99
7) Trichlorofluoromethane	3.02	101	719798	50.593	ug/l	99
8) Diethyl Ether	3.41	74	281144	52.381	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	478664	52.767	ug/l	98
10) Methyl Iodide	3.96	142	662569	52.011	ug/l	99
11) Tert butyl alcohol	4.77	59	147766	259.538	ug/l	99
12) 1,1-Dichloroethene	3.74	96	436726	49.832	ug/l	99
13) Acrolein	3.61	56	155828	301.849	ug/l	100
14) Allyl chloride	4.33	41	704641	51.907	ug/l	97
15) Acrylonitrile	4.99	53	823991	260.512	ug/l	99
16) Acetone	3.81	43	509858	278.685	ug/l	97
17) Carbon Disulfide	4.06	76	1188659	41.589	ug/l	100
18) Methyl Acetate	4.32	43	469895	56.458	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1241913	52.954	ug/l	100
20) Methylene Chloride	4.55	84	516381	51.743	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	468832	49.791	ug/l	99
22) Diisopropyl ether	5.95	45	1599265	55.193	ug/l	98
23) Vinyl Acetate	5.90	43	4528927	271.811	ug/l	99
24) 1,1-Dichloroethane	5.85	63	912997	53.025	ug/l	99
25) 2-Butanone	6.83	43	870701	283.581	ug/l	99
26) 2,2-Dichloropropane	6.82	77	721030	54.857	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	559218	52.460	ug/l	99
28) Bromochloromethane	7.19	49	404694	54.241	ug/l	97
29) Tetrahydrofuran	7.21	42	591849	258.092	ug/l	98
30) Chloroform	7.37	83	893342	52.816	ug/l	99
31) Cyclohexane	7.65	56	813167	50.363	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	755254	52.416	ug/l	99
36) 1,1-Dichloropropene	7.79	75	679693	51.937	ug/l	99
37) Ethyl Acetate	6.93	43	395022	54.070	ug/l	99
38) Carbon Tetrachloride	7.78	117	652313	54.380	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	815084	51.270	ug/l	98
40) Benzene	8.04	78	2084686	53.554	ug/l	99
41) Methacrylonitrile	7.17	41	249191	59.033	ug/l	93
42) 1,2-Dichloroethane	8.12	62	607676	52.843	ug/l	98
43) Isopropyl Acetate	8.16	43	729799	51.654	ug/l	97
44) Trichloroethene	8.83	130	571166	50.729	ug/l	98
45) 1,2-Dichloropropane	9.12	63	561568	55.385	ug/l	99
46) Dibromomethane	9.21	93	313275	53.038	ug/l	98
47) Bromodichloromethane	9.40	83	698536	55.636	ug/l	100
48) Methyl methacrylate	9.20	41	389399	54.928	ug/l	98
49) 1,4-Dioxane	9.20	88	93213	1039.436	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1940123	274.220	ug/l	99
52) Toluene	10.16	92	1293781	53.622	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	709467	53.737	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	831938	54.898	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	465751	55.331	ug/l	99
56) Ethyl methacrylate	10.43	69	600805	53.926	ug/l	97
57) 1,3-Dichloropropane	10.71	76	784599	54.356	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1629586	266.422	ug/l	99
59) 2-Hexanone	10.75	43	1348038	281.612	ug/l	99
60) Dibromochloromethane	10.90	129	529698	54.975	ug/l	100
61) 1,2-Dibromoethane	11.00	107	456541	53.404	ug/l	99
64) Tetrachloroethene	10.63	164	629621	46.883	ug/l	99
65) Chlorobenzene	11.43	112	1460975	53.160	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	522980	54.722	ug/l	99
67) Ethyl Benzene	11.51	91	2525116	53.427	ug/l	100
68) m/p-Xylenes	11.62	106	1909217	106.261	ug/l	99
69) o-Xylene	11.95	106	930315	53.959	ug/l	99
70) Styrene	11.96	104	1557023	55.384	ug/l	99
71) Bromoform	12.13	173	369851	53.570	ug/l	100
73) Isopropylbenzene	12.25	105	2503043	53.444	ug/l	99
74) N-amyl acetate	12.07	43	657656	50.577	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	532245	57.927	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	487481m	48.377	ug/l	
77) Bromobenzene	12.53	156	653426	53.672	ug/l	96
78) n-propylbenzene	12.59	91	2875803	53.914	ug/l	99
79) 2-Chlorotoluene	12.67	91	1675426	50.674	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2010719	52.672	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	164569	52.639	ug/l	96
82) 4-Chlorotoluene	12.77	91	1715470	53.003	ug/l	99
83) tert-Butylbenzene	12.99	119	1799799	53.309	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2038289	53.114	ug/l	99
85) sec-Butylbenzene	13.17	105	2408774	52.748	ug/l	99
86) p-Isopropyltoluene	13.29	119	2087084	52.892	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1129871	52.437	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1114138	51.059	ug/l	100
89) n-Butylbenzene	13.62	91	1752732	51.631	ug/l	100
90) Hexachloroethane	13.87	117	343335	56.699	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1046754	51.617	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	73669	46.370	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	524680	48.849	ug/l	99
94) Hexachlorobutadiene	15.01	225	327919	59.492	ug/l	99
95) Naphthalene	15.13	128	1062091	45.239	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	464118	47.991	ug/l	99

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

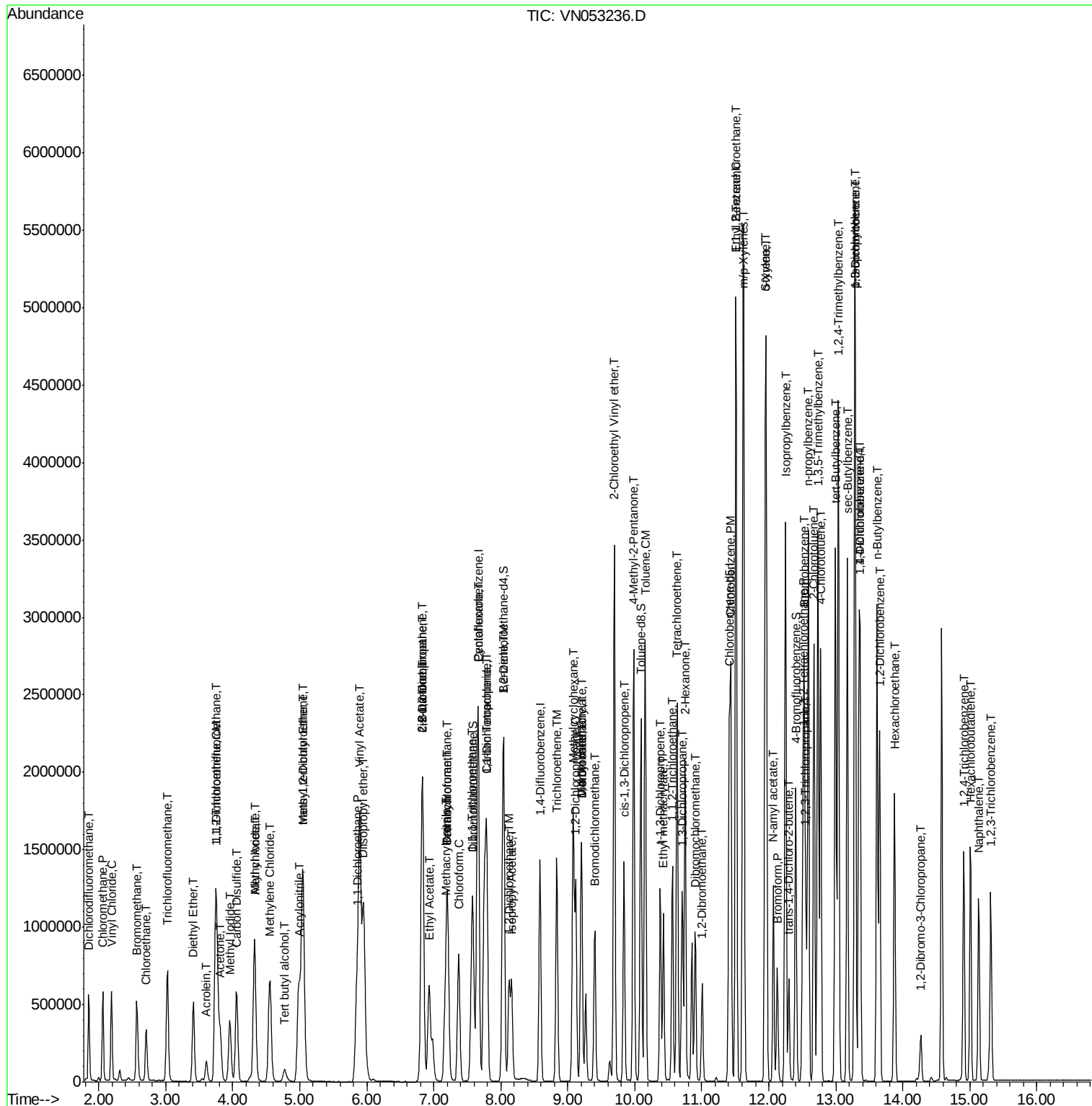
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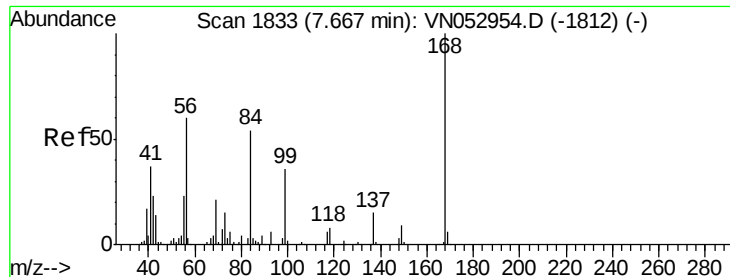
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 919482

Ion Ratio Lower Upper

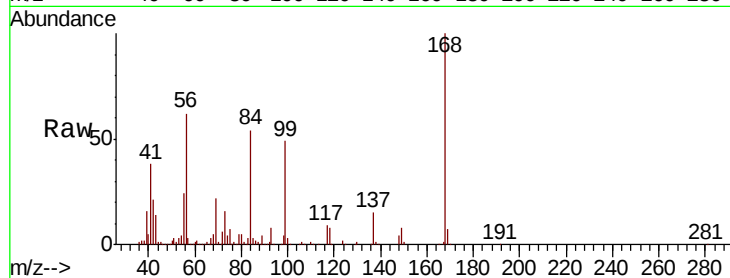
168 100

99 48.9 40.2 60.2

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

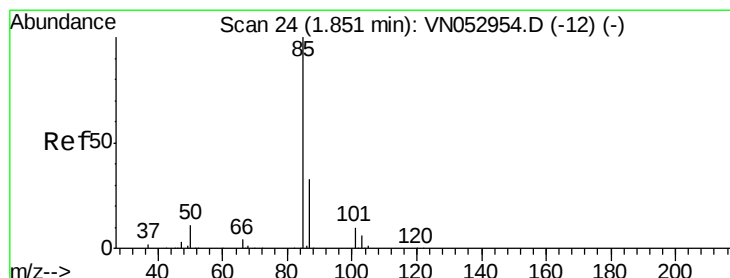
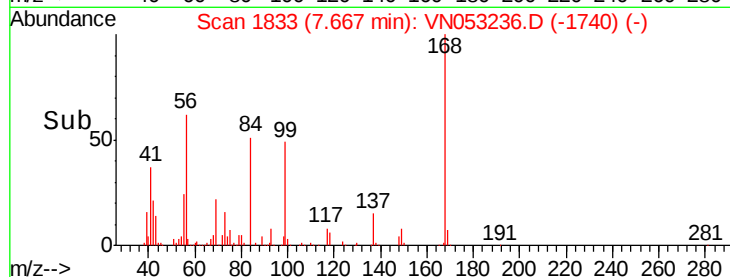
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.014 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053236.D

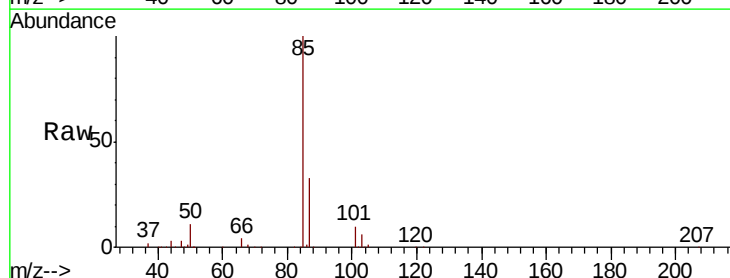
Acq: 2 Jan 2019 9:37

Tgt Ion: 85 Resp: 428202

Ion Ratio Lower Upper

85 100

87 32.9 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

300000

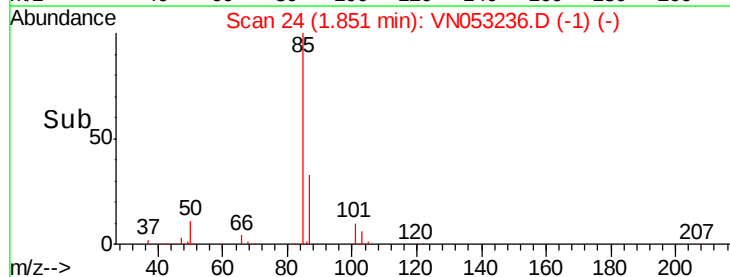
200000

100000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 47.595 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 536714

Ion Ratio Lower Upper

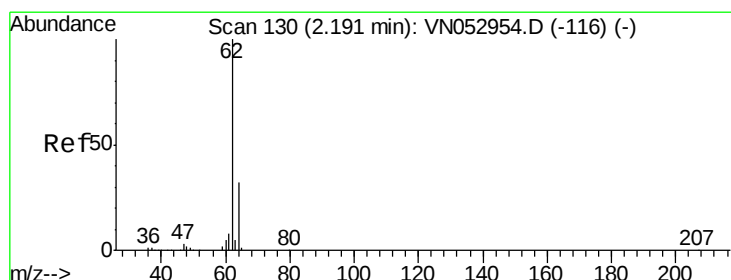
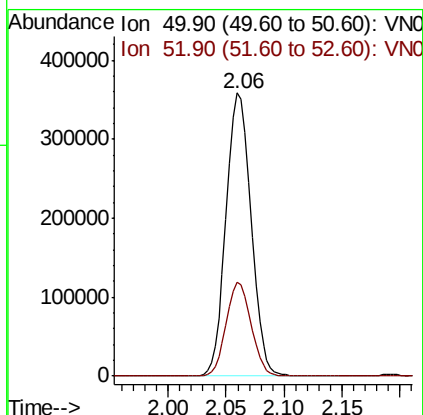
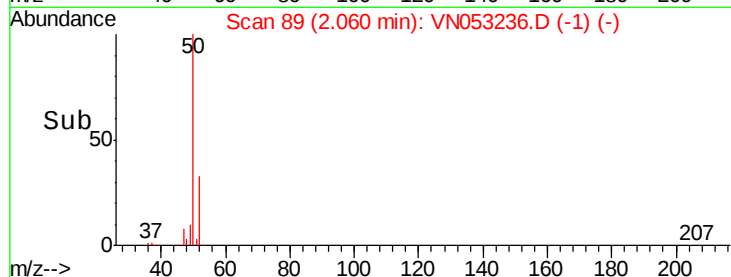
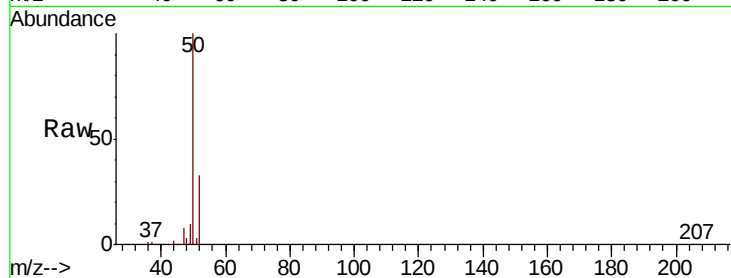
50 100

52 33.1 26.2 39.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 47.170 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053236.D

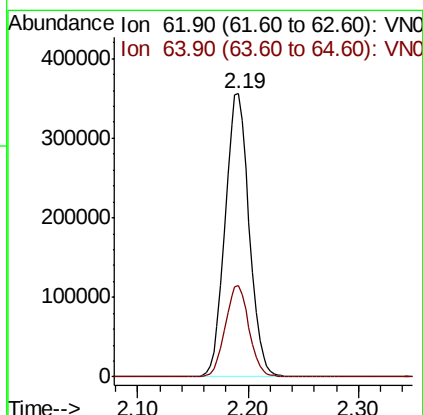
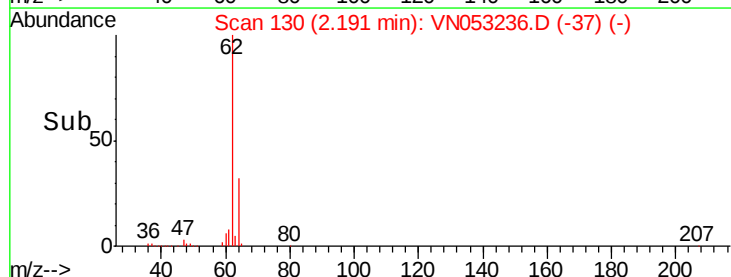
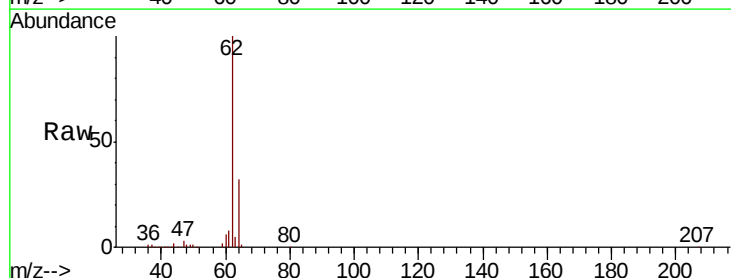
Acq: 2 Jan 2019 9:37

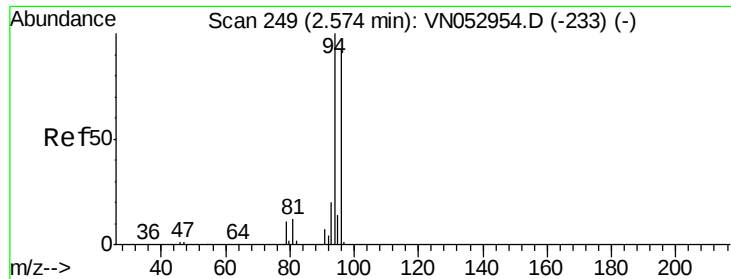
Tgt Ion: 62 Resp: 538711

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 48.480 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

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Tot Ion: 94 Resp: 383606

Ion Ratio Lower Upper

94 100

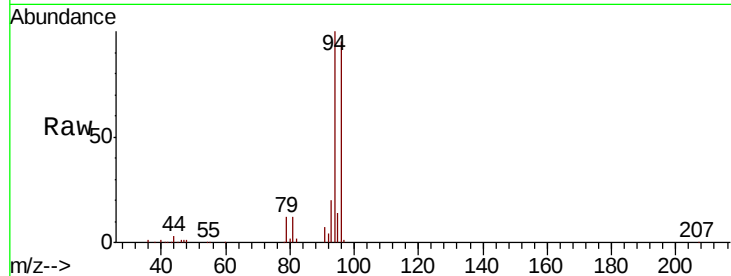
96 94.8 75.0 112.4

Manual Integrations

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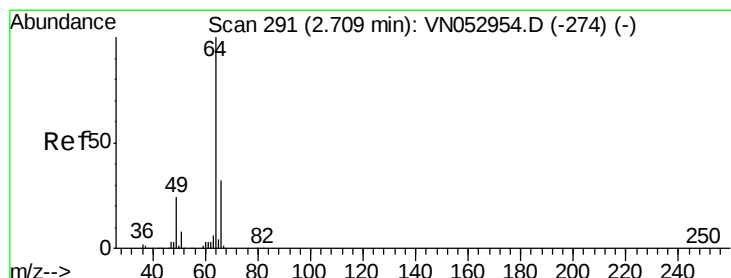
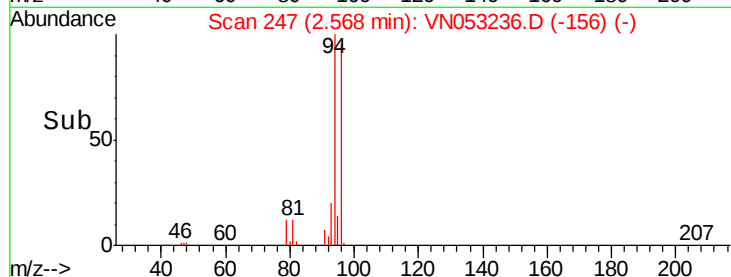
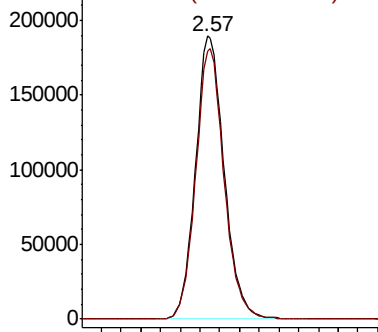
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 48.528 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053236.D

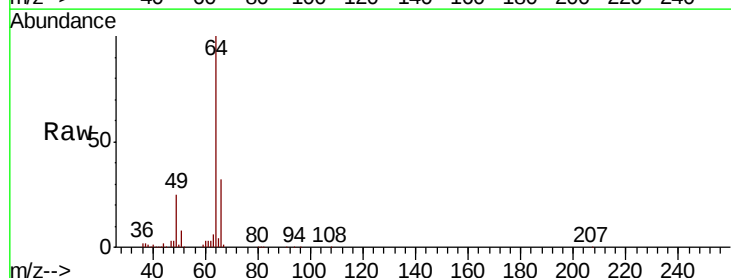
Acq: 2 Jan 2019 9:37

Tgt Ion: 64 Resp: 328241

Ion Ratio Lower Upper

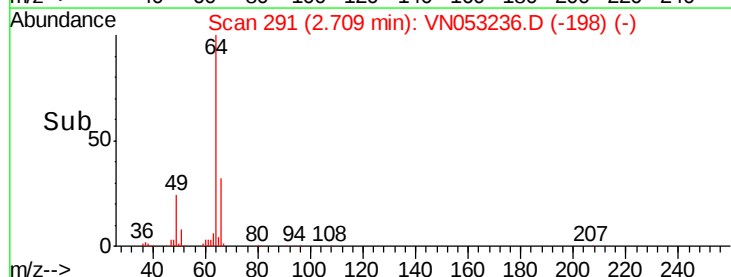
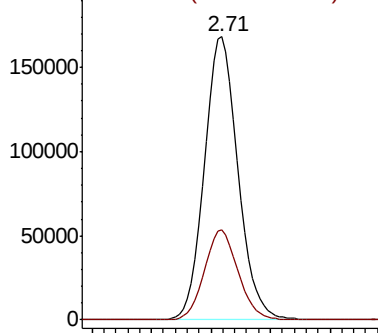
64 100

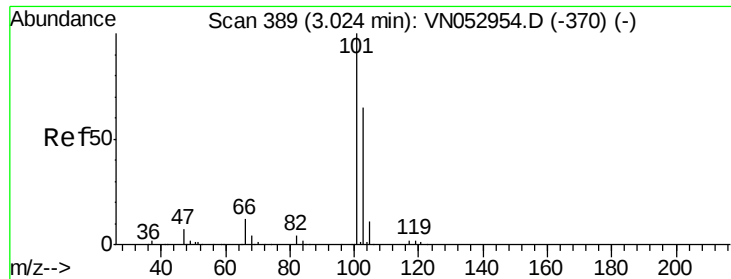
66 31.9 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

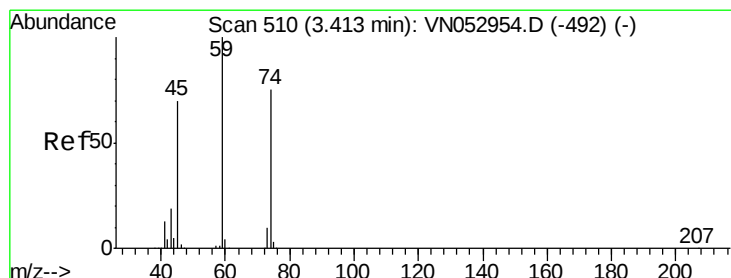
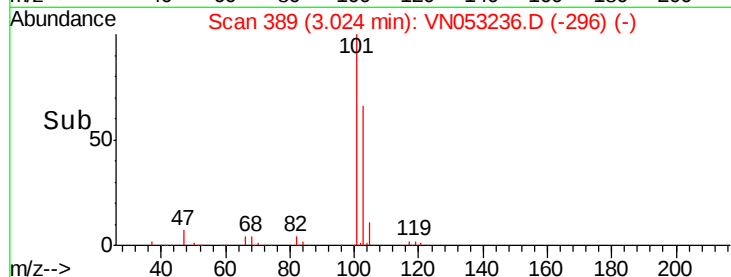
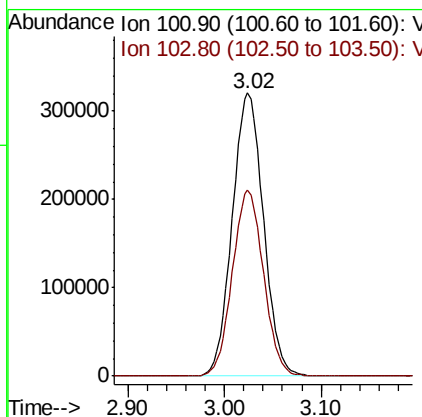
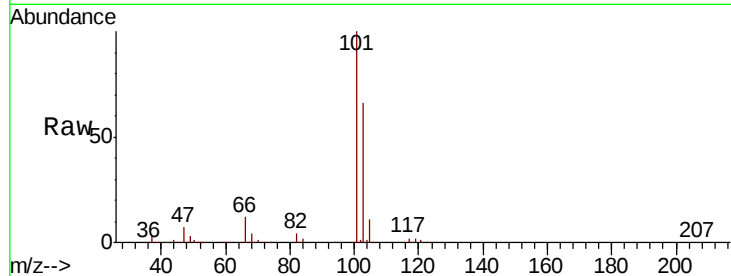
Trichlorofluoromethane
 Concen: 50.593 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.8	77.6

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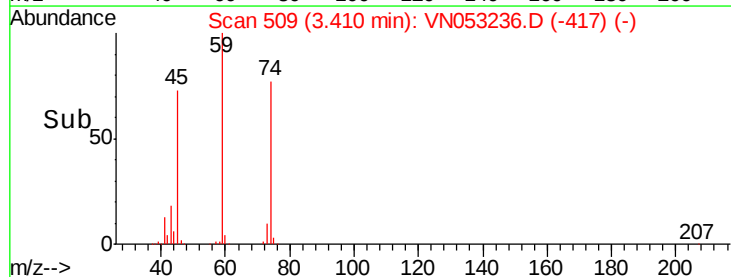
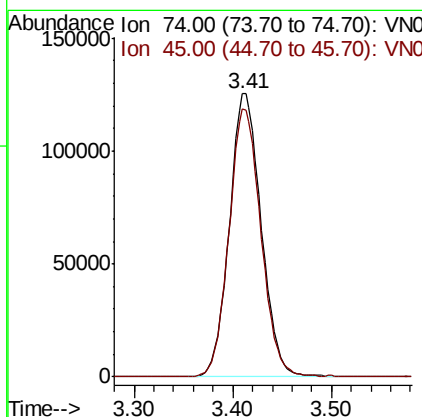
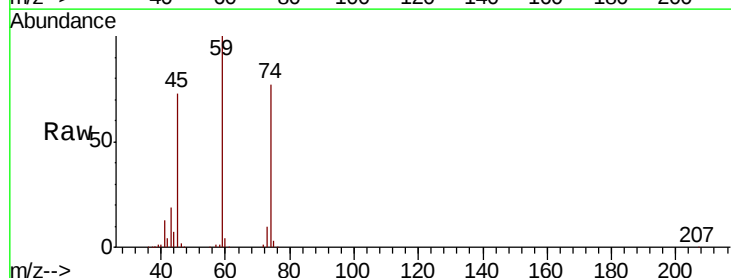
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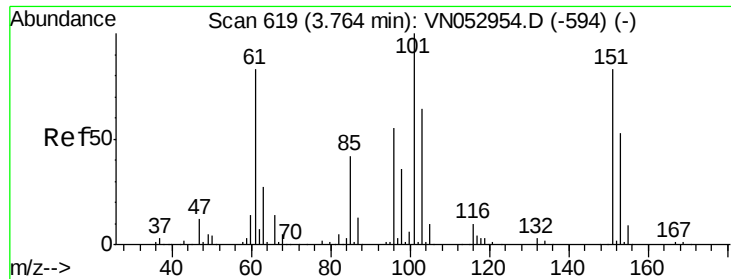


#8

Diethyl Ether
 Concen: 52.381 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN053236.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.7	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.767 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

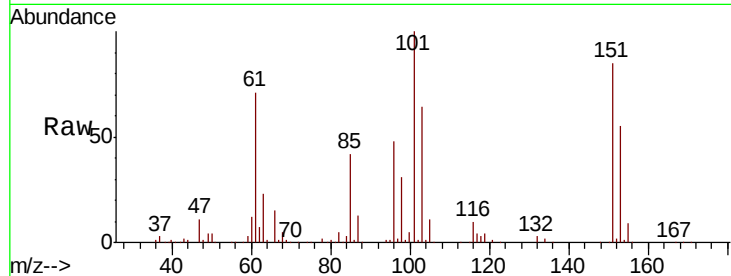
ClientSampleId :

VSTDCCC050

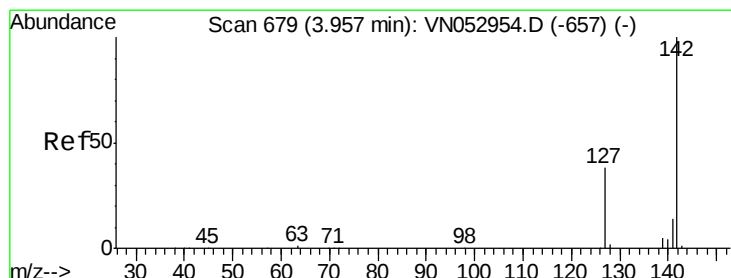
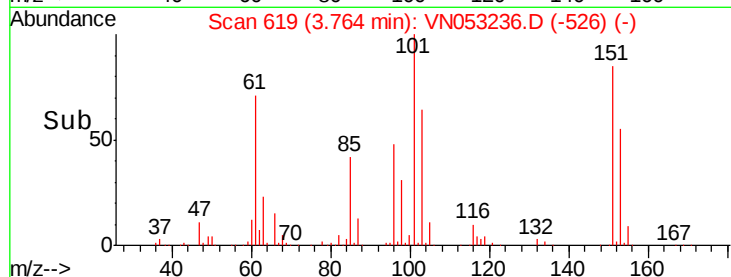
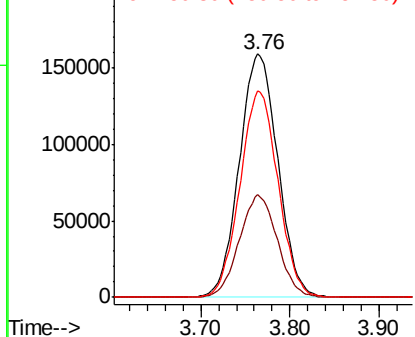
Tot Ion:	101	Resp:	478664
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.6	50.4
151	83.9	65.5	98.3

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.011 ug/l

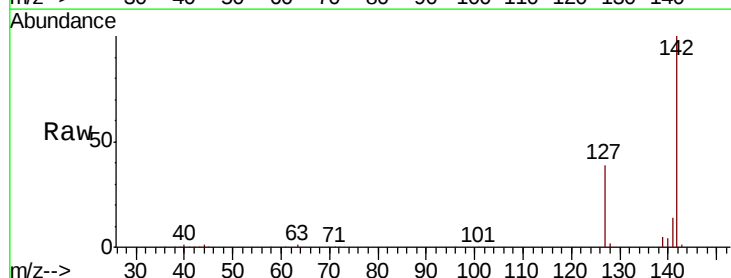
RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

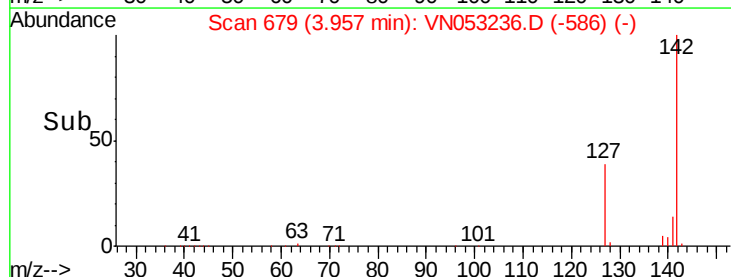
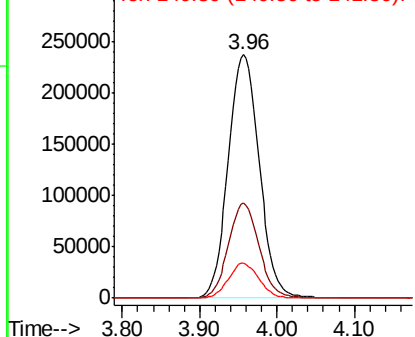
Lab File: VN053236.D

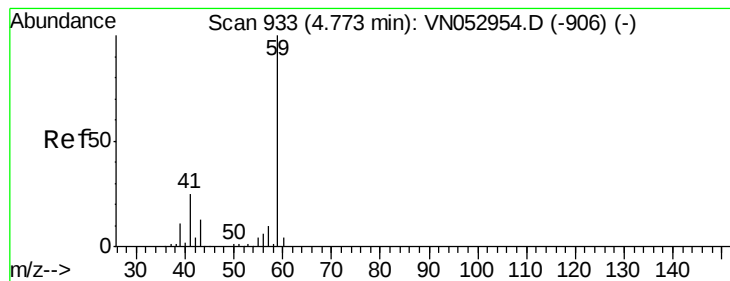
Acq: 2 Jan 2019 9:37

Tgt Ion:	142	Resp:	662569
Ion Ratio	Lower	Upper	
142	100		
127	38.3	31.0	46.6
141	14.1	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

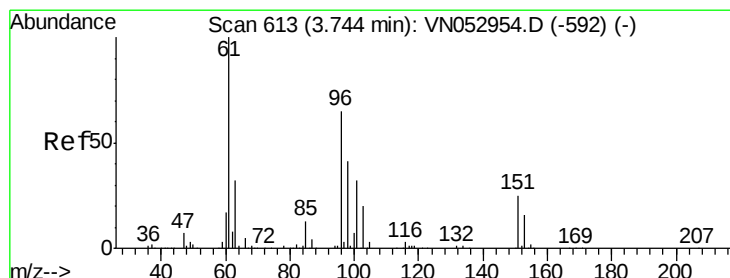
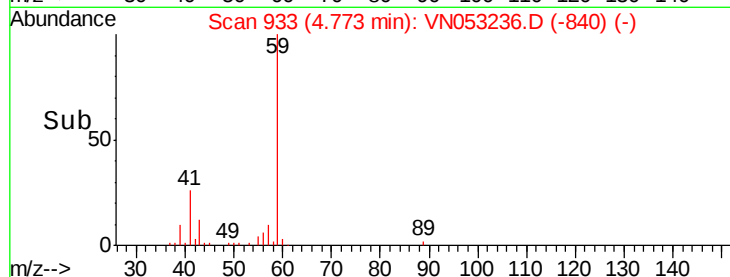
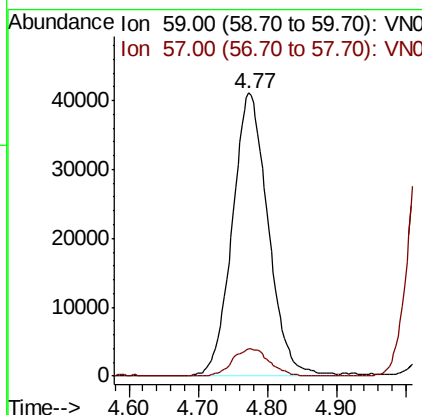
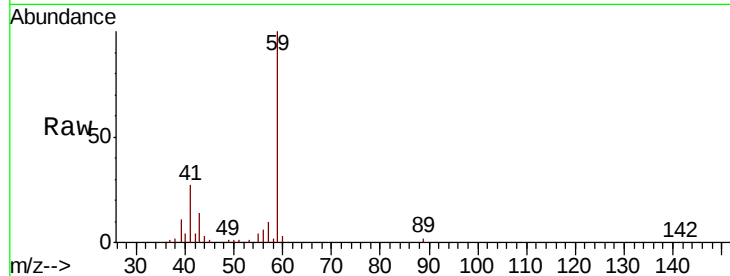
Tert butyl alcohol
 Concen: 259.538 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	147766
Ion Ratio	100	Lower	Upper
57	10.0	7.7	11.5

Manual Integrations
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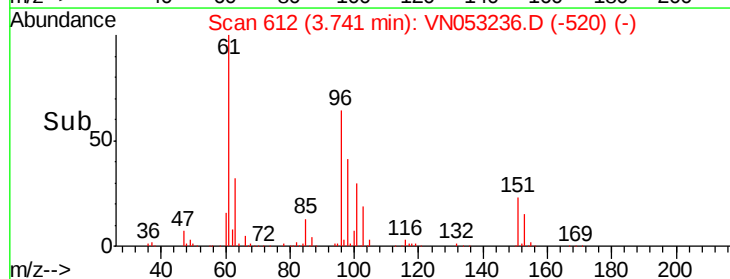
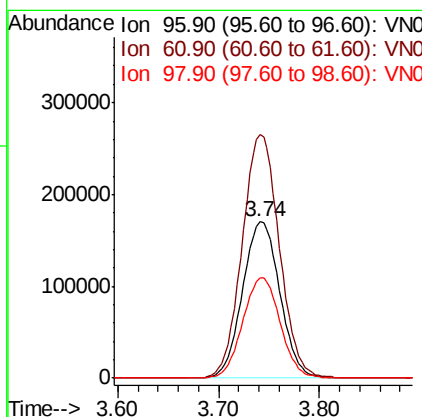
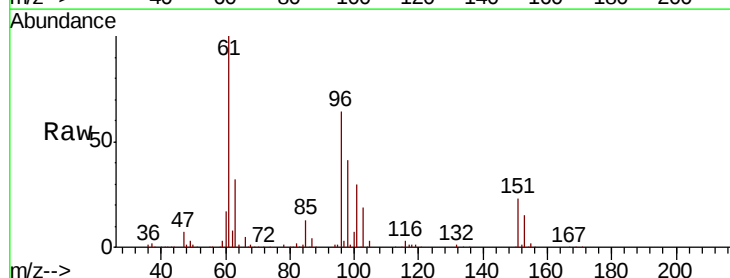
MMDadoda
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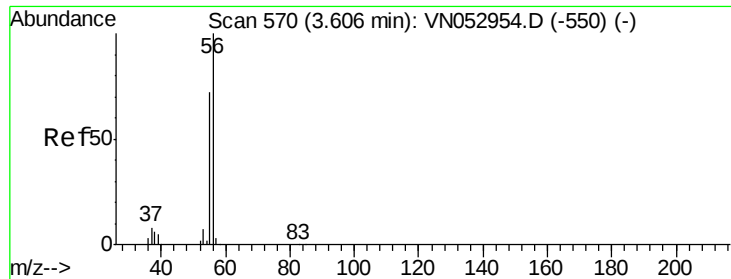


#12

1,1-Dichloroethene
 Concen: 49.832 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Tgt Ion	96	Resp	436726
Ion Ratio	100	Lower	Upper
61	155.6	125.6	188.4
98	63.7	50.6	75.8





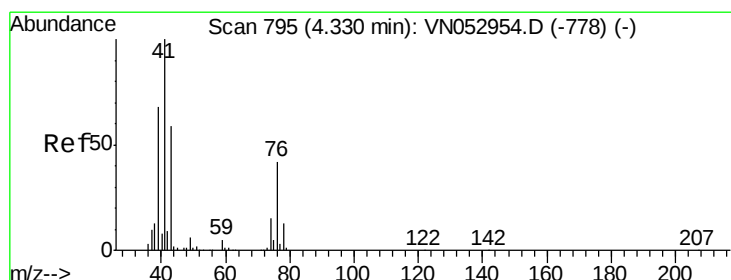
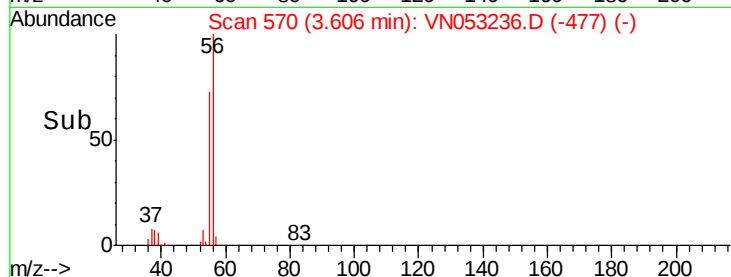
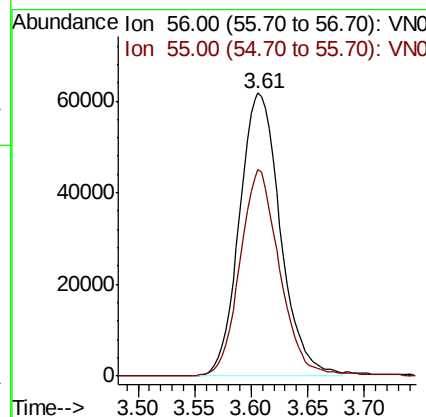
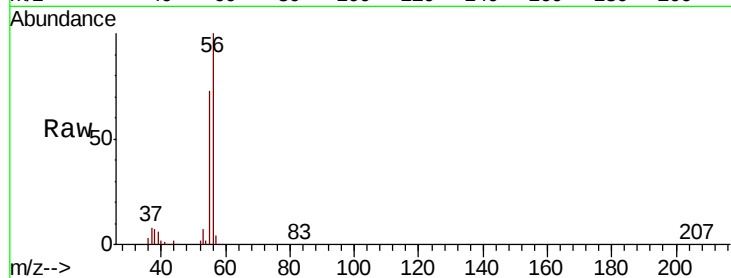
#13
Acrolein
Concen: 301.849 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.8	56.6	85.0

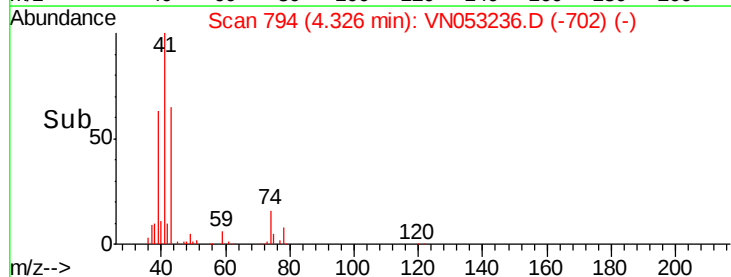
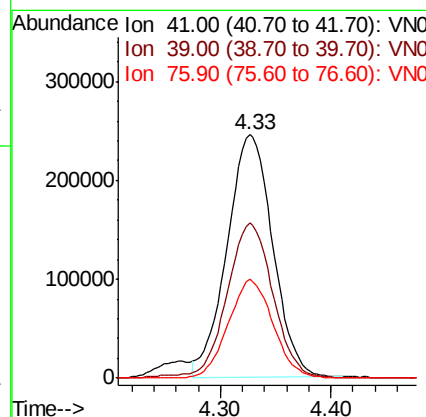
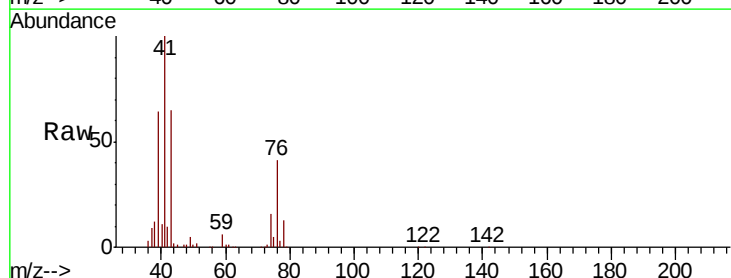
Manual Integrations
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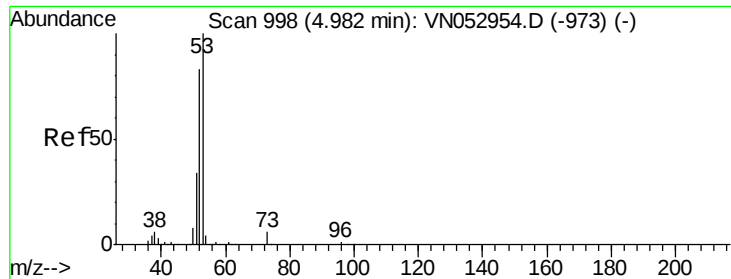
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#14
Allyl chloride
Concen: 51.907 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.0	54.1	81.1
76	39.4	30.3	45.5





#15

Acrylonitrile

Concen: 260.512 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

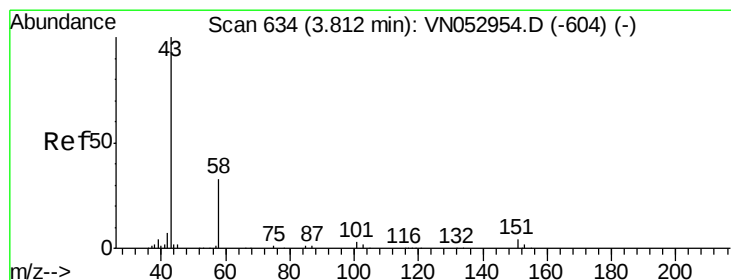
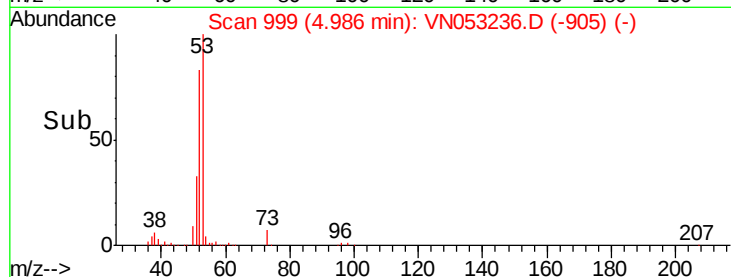
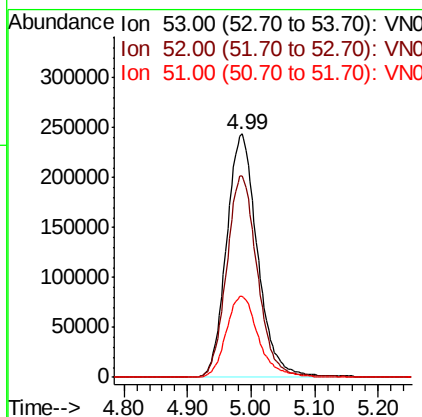
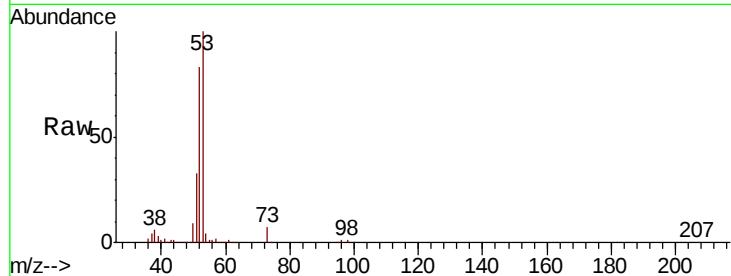
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	823991
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.1	97.7
51	34.8	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 278.685 ug/l

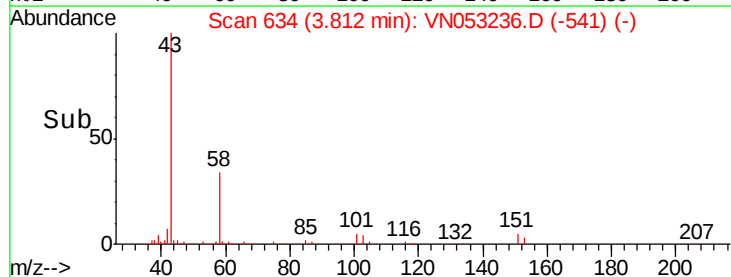
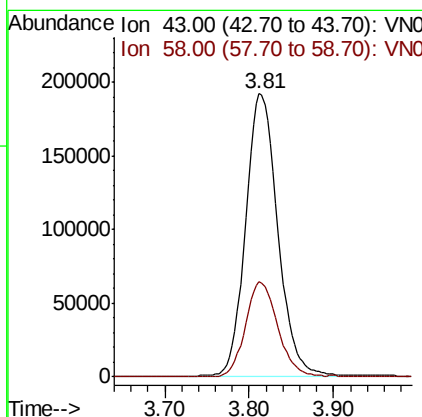
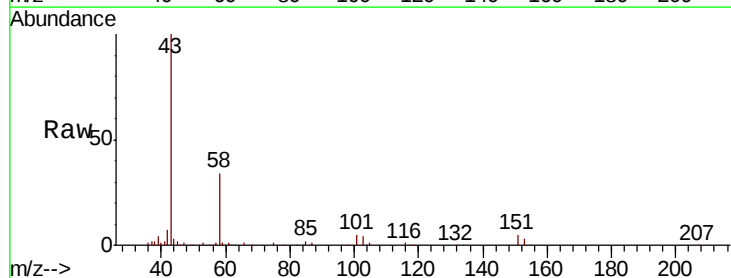
RT: 3.81 min Scan# 634

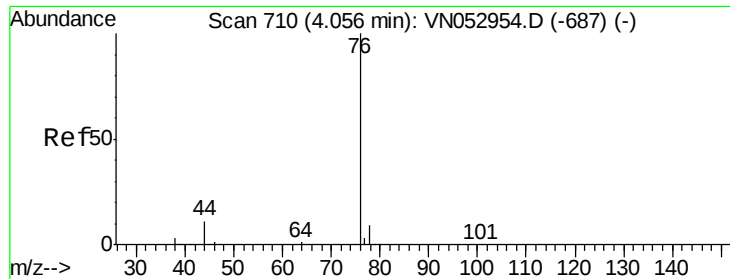
Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Tgt Ion:	43	Resp:	509858
Ion	Ratio	Lower	Upper
43	100		
58	33.5	25.4	38.0





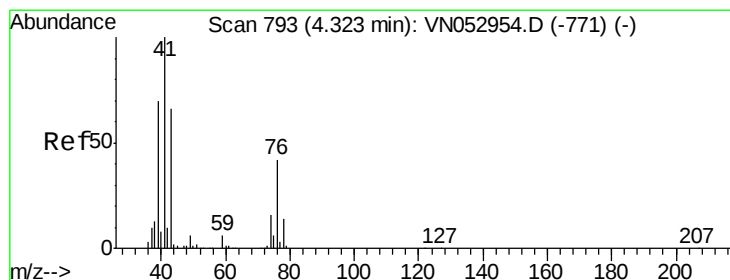
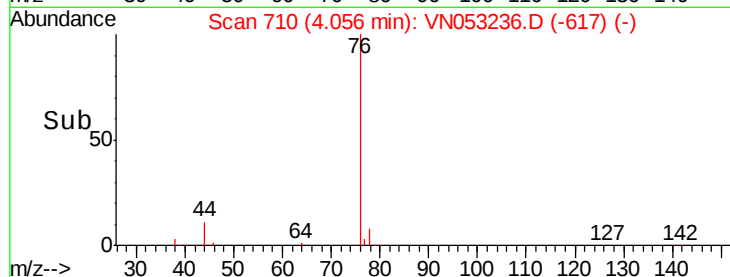
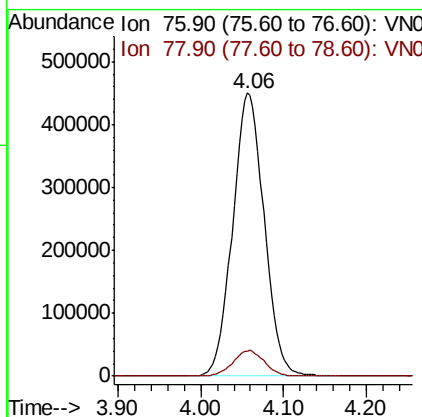
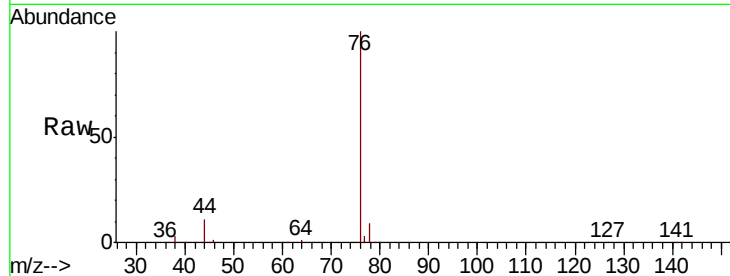
#17
Carbon Disulfide
Concen: 41.589 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1188659
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7

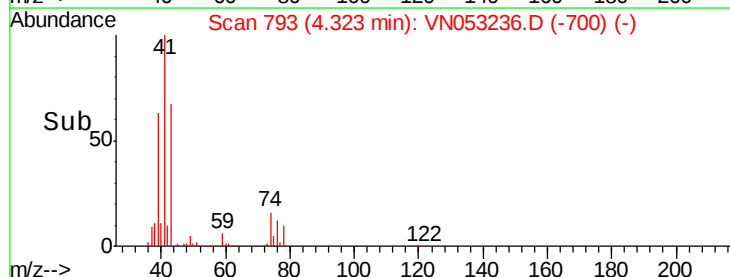
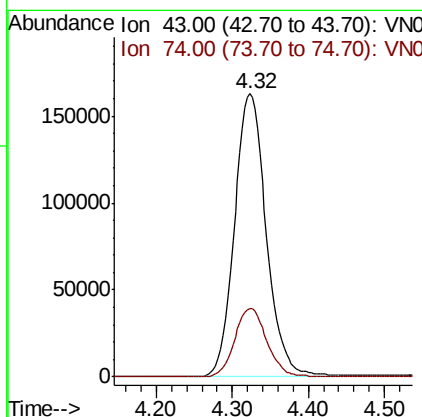
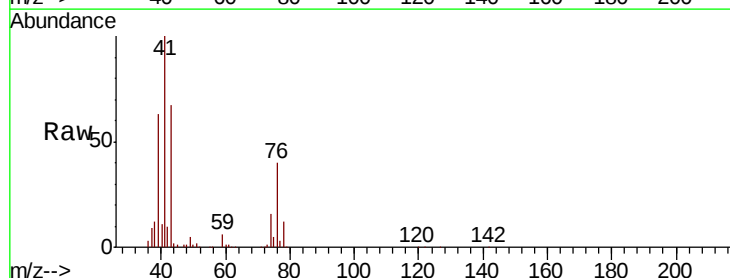
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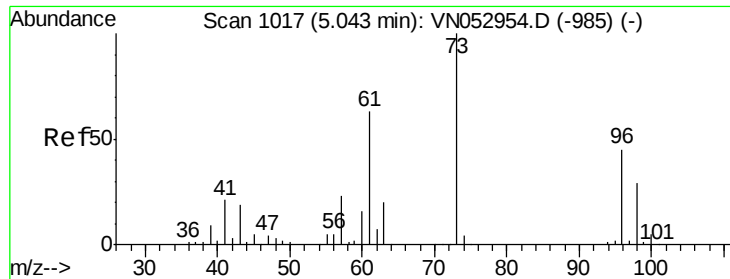
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#18
Methyl Acetate
Concen: 56.458 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion: 43 Resp: 469895
Ion Ratio Lower Upper
43 100
74 24.6 19.2 28.8





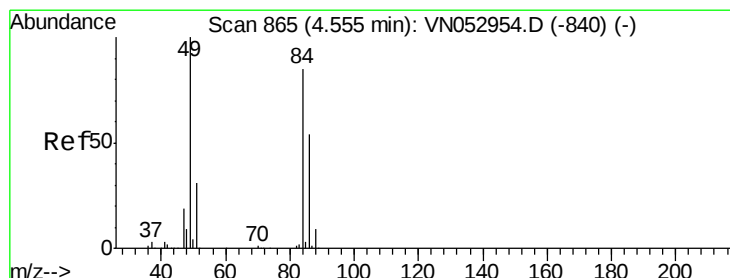
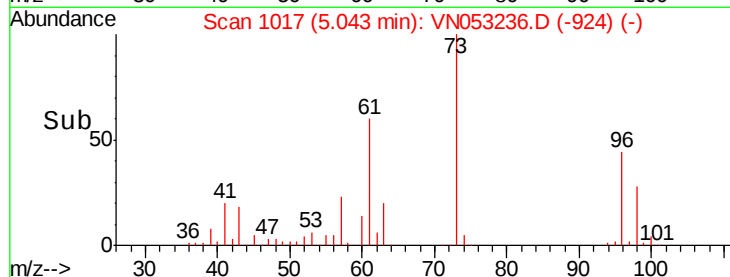
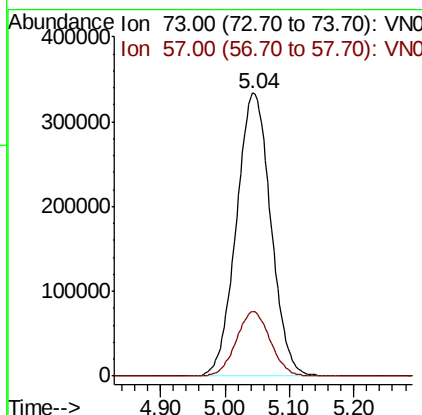
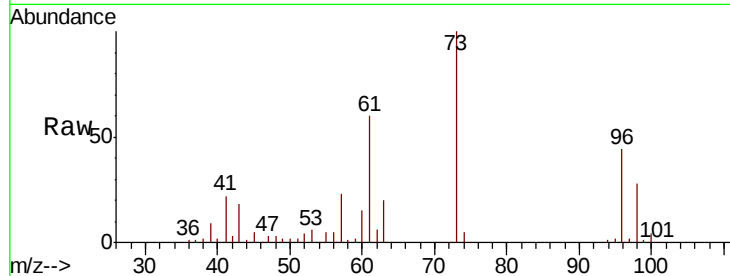
#19
Methyl tert-butyl Ether
Concen: 52.954 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1241913
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6

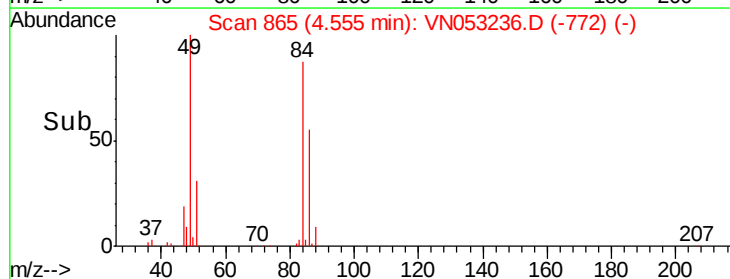
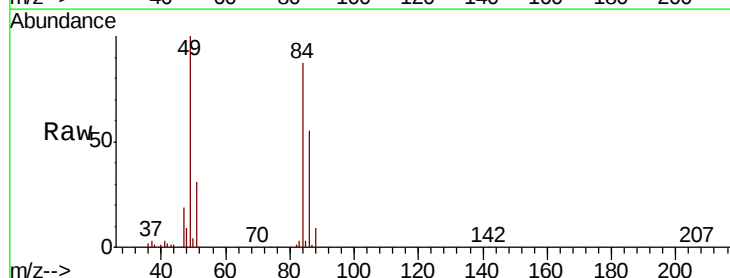
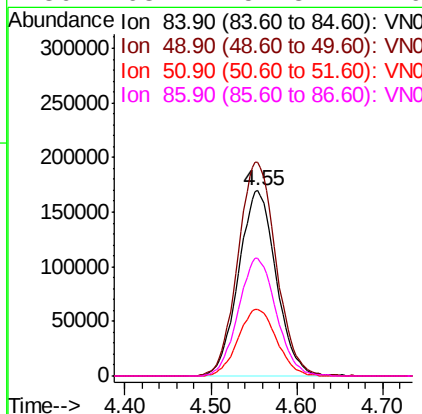
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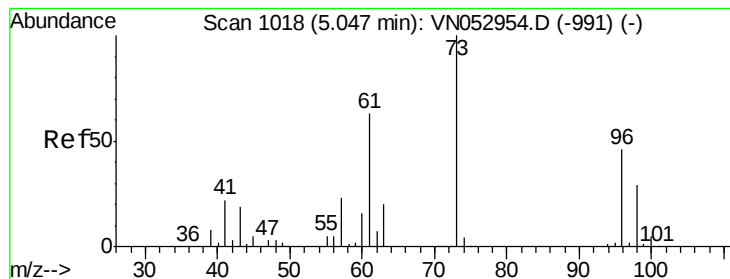
MMDadoda
1/3/2019 9:55:31 AM



#20
Methylene Chloride
Concen: 51.743 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion: 84 Resp: 516381
Ion Ratio Lower Upper
84 100
49 115.2 96.8 145.2
51 36.0 29.9 44.9
86 63.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 49.791 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 468832

Ion Ratio Lower Upper

96 100

61 136.8 110.8 166.2

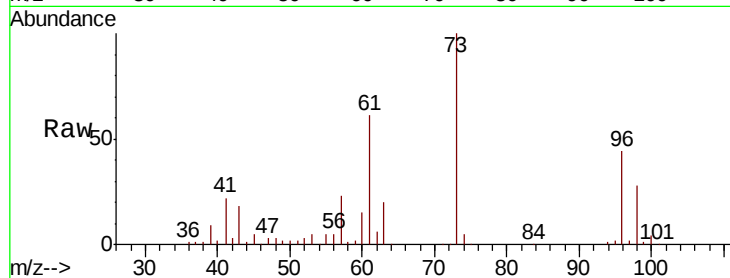
98 63.6 51.4 77.2

Manual Integrations

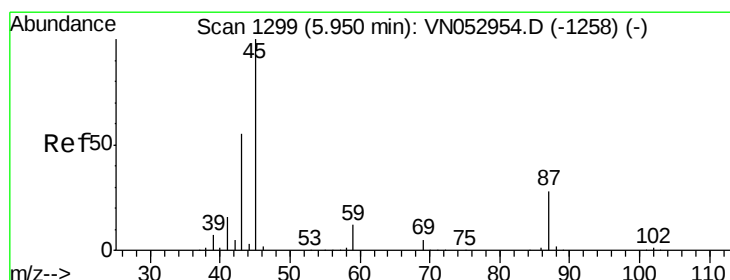
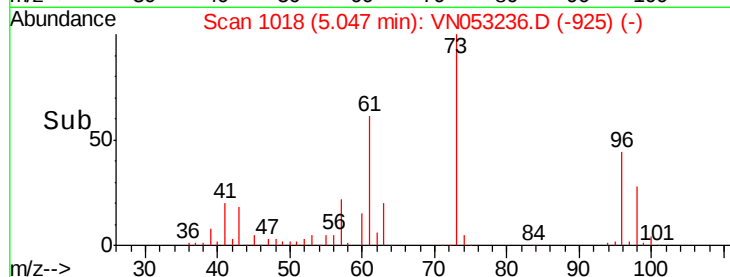
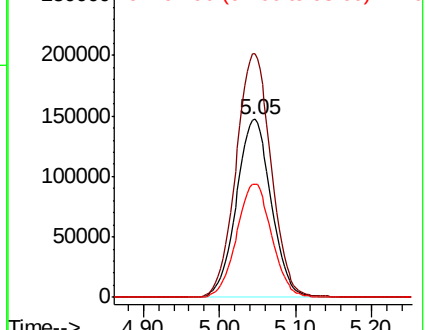
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Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 55.193 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Tgt Ion: 45 Resp: 1599265

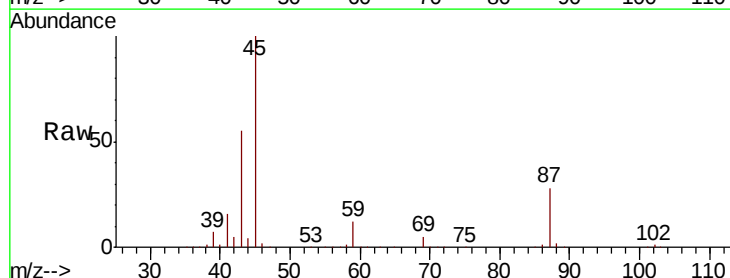
Ion Ratio Lower Upper

45 100

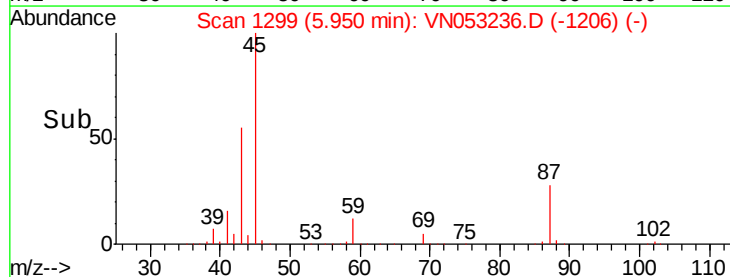
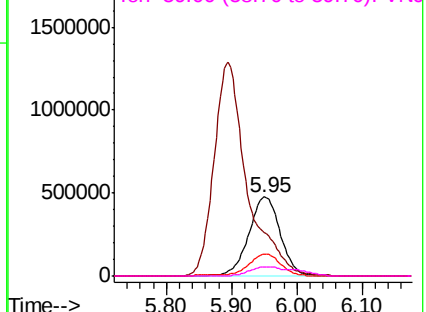
43 54.5 45.5 68.3

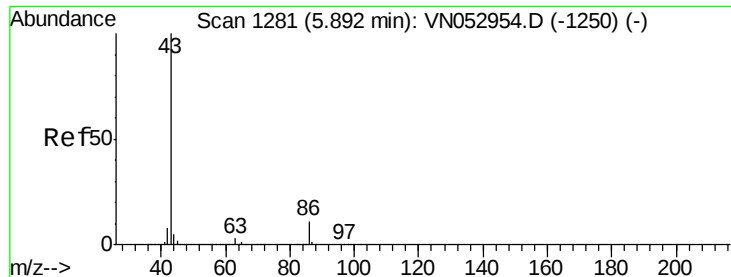
87 27.8 22.0 33.0

59 11.7 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 271.811 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 4528927

Ion Ratio Lower Upper

43 100

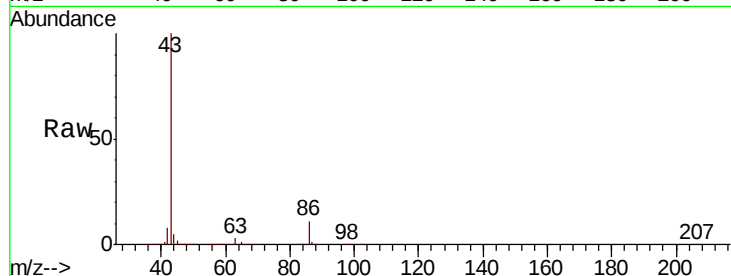
86 10.6 8.1 12.1

Manual Integrations

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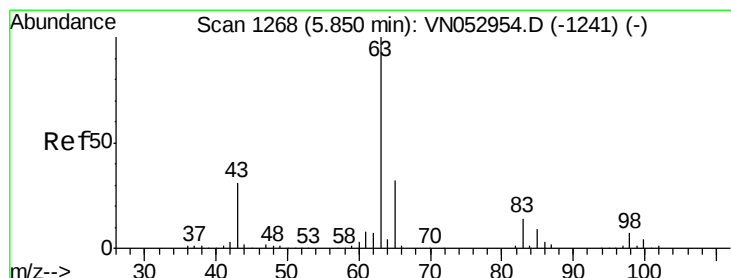
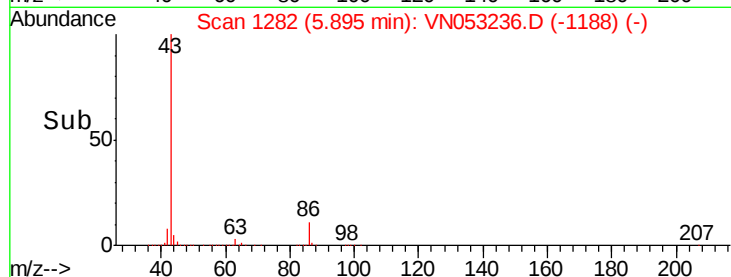
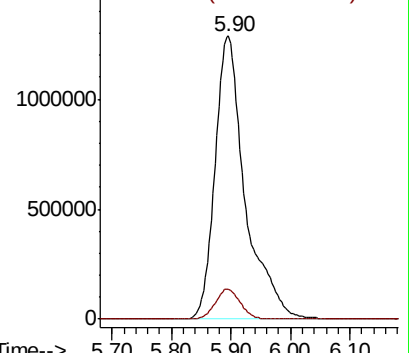
MMDadoda

1/3/2019 9:55:31 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 53.025 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

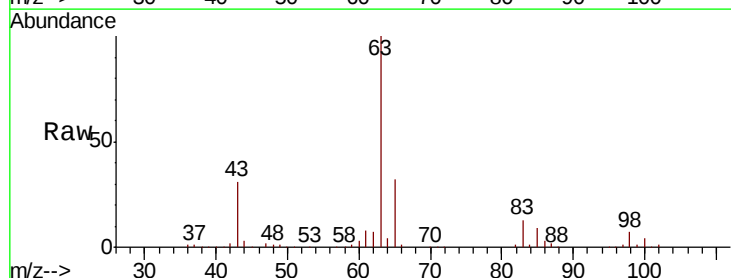
Tgt Ion: 63 Resp: 912997

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

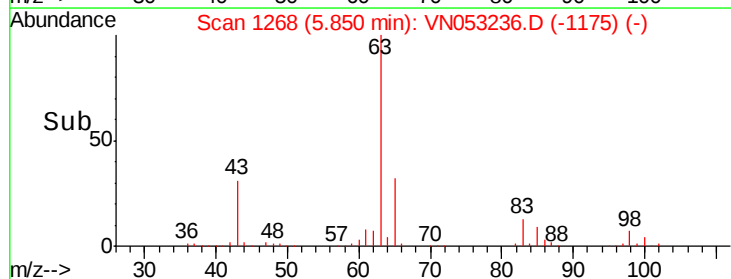
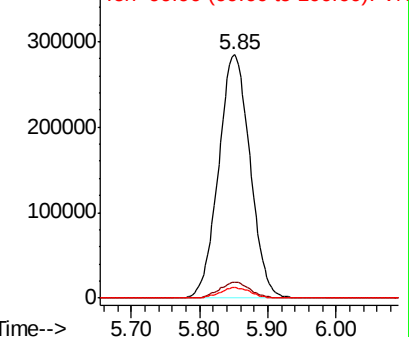
100 4.2 2.0 5.8

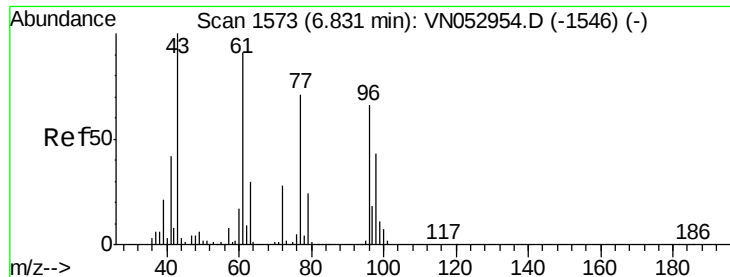


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





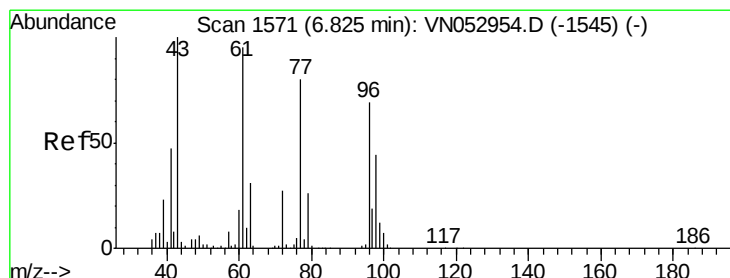
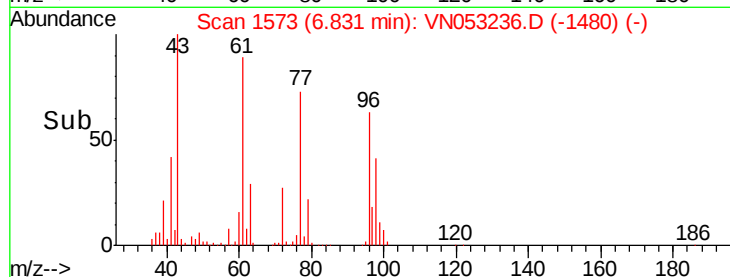
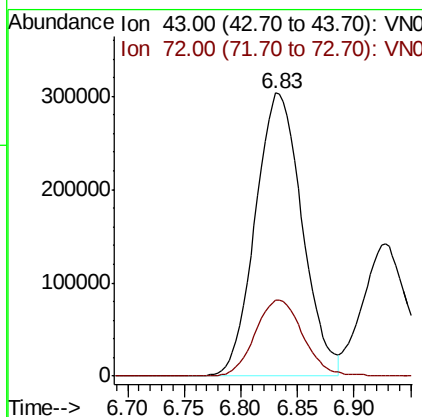
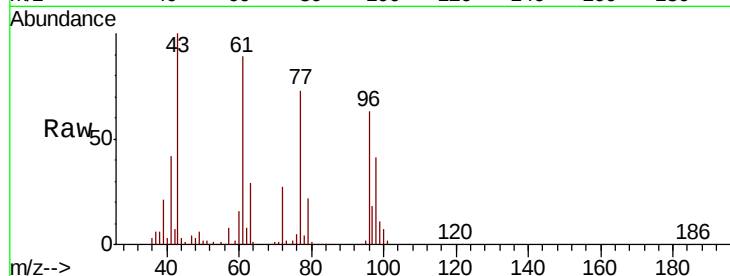
#25
2-Butanone
Concen: 283.581 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 870701
Ion Ratio Lower Upper
43 100
72 26.7 21.0 31.6

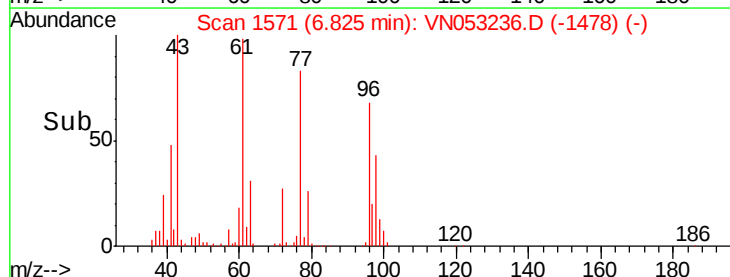
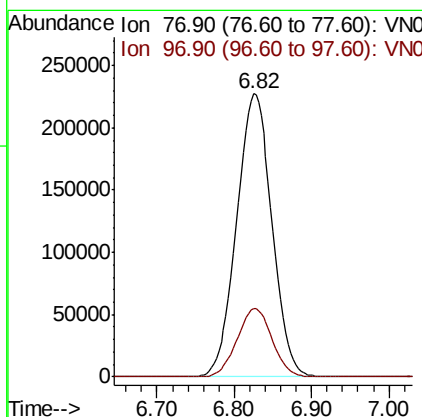
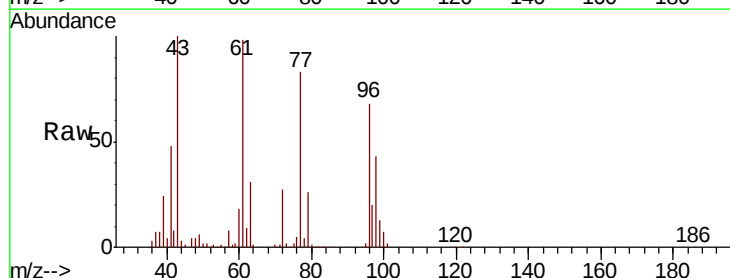
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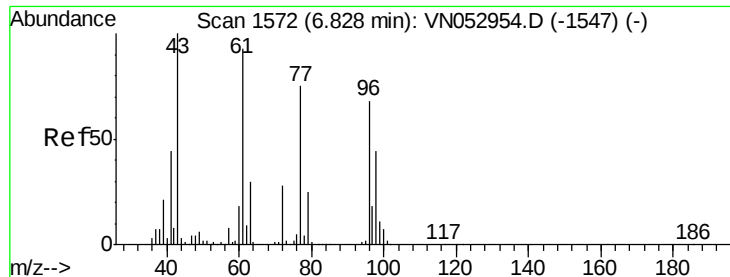
MMDadoda
1/3/2019 9:55:31 AM



#26
2,2-Dichloropropane
Concen: 54.857 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion: 77 Resp: 721030
Ion Ratio Lower Upper
77 100
97 24.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 52.460 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

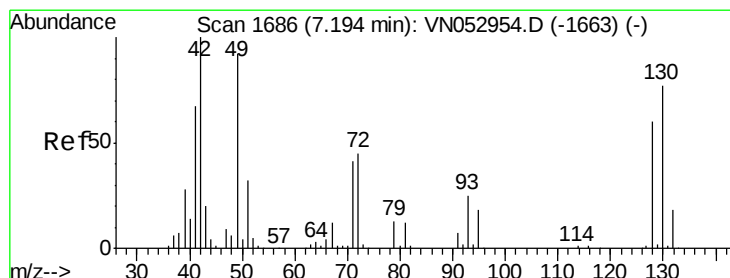
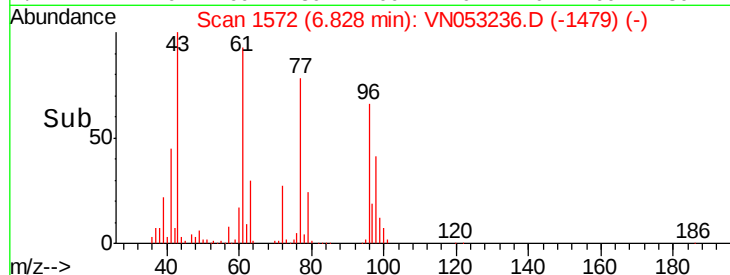
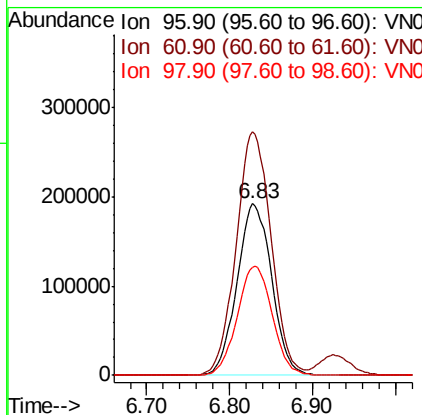
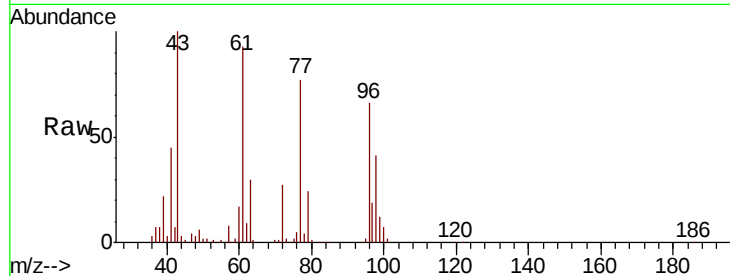
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	559218
Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	284.2
98	64.4	0.0	129.2

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#28

Bromochloromethane

Concen: 54.241 ug/l

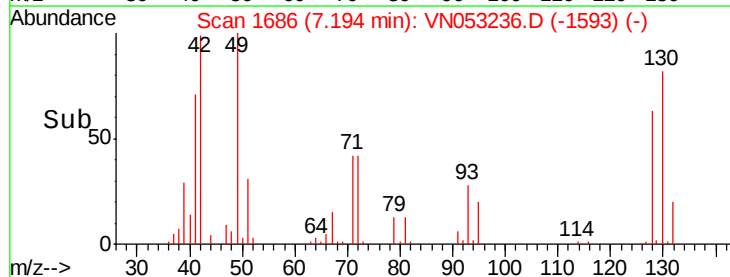
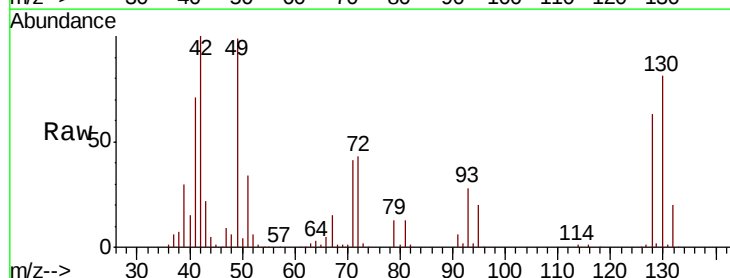
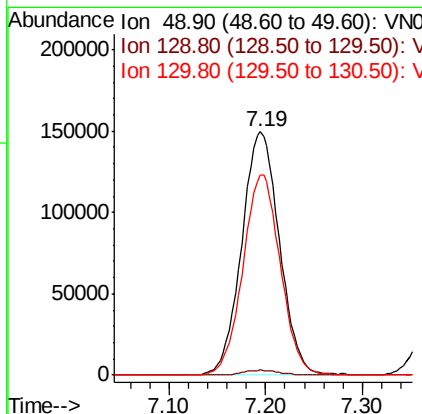
RT: 7.19 min Scan# 1686

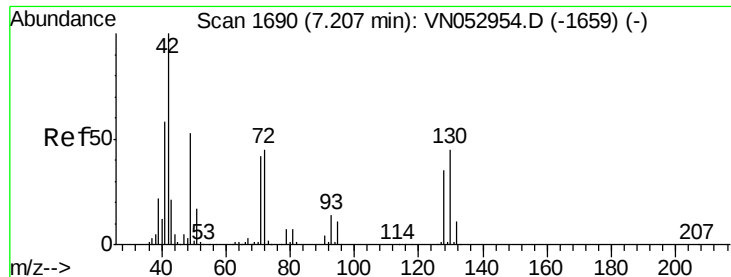
Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Tgt Ion:	49	Resp:	404694
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	81.7	63.3	94.9





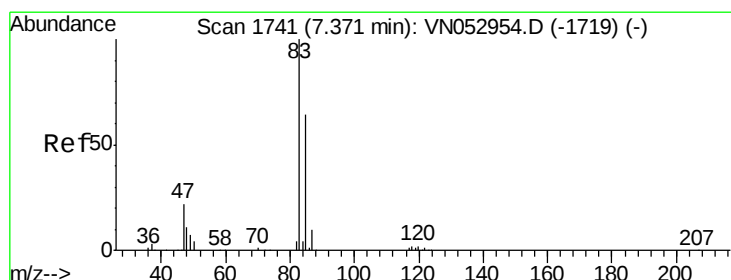
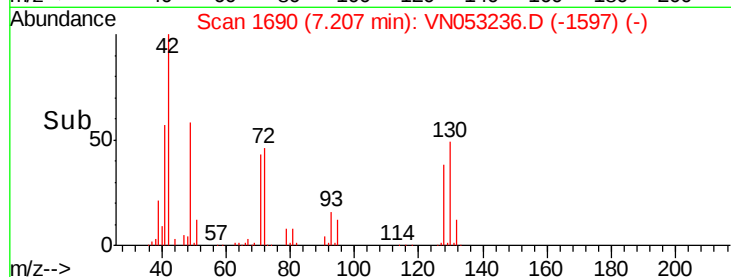
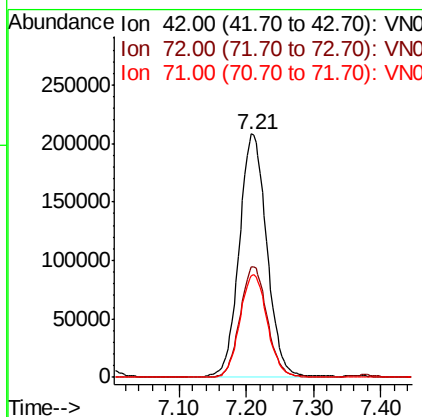
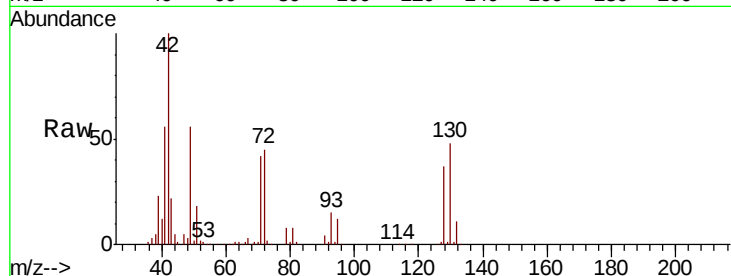
#29
Tetrahydrofuran
Concen: 258.092 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	34.7	52.1
71	41.8	32.3	48.5

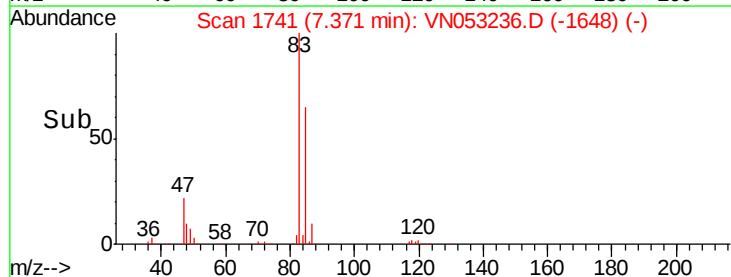
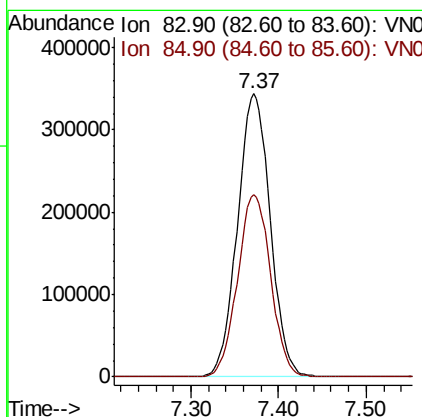
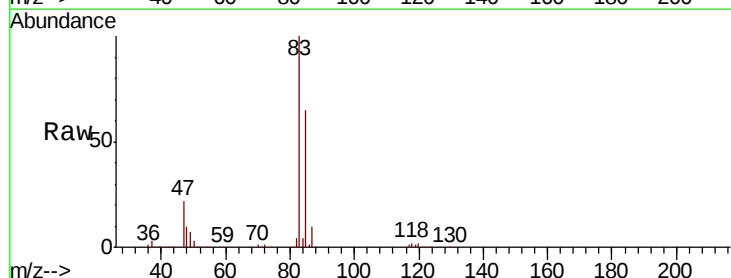
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#30
Chloroform
Concen: 52.816 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.1	78.1





#31

Cyclohexane

Concen: 50.363 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 813167
Ion Ratio Lower Upper

56 100

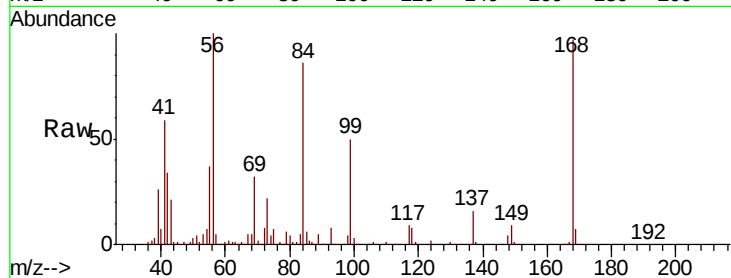
69 31.8 26.6 39.8

84 84.8 68.4 102.6

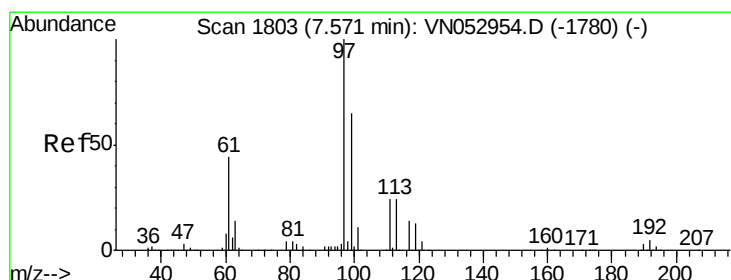
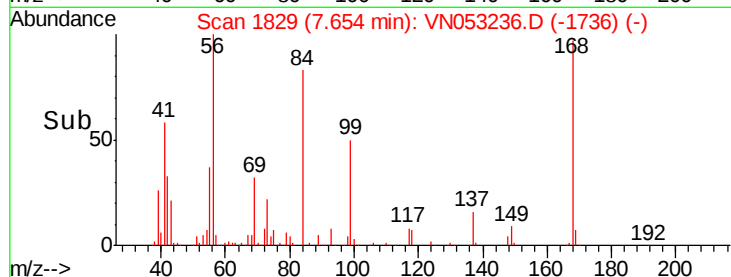
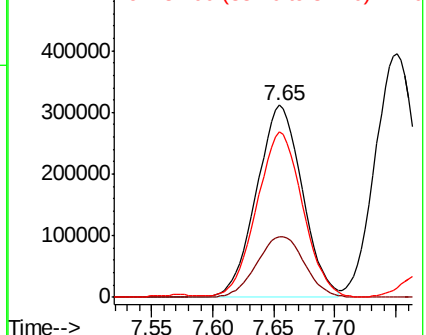
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 52.416 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053236.D

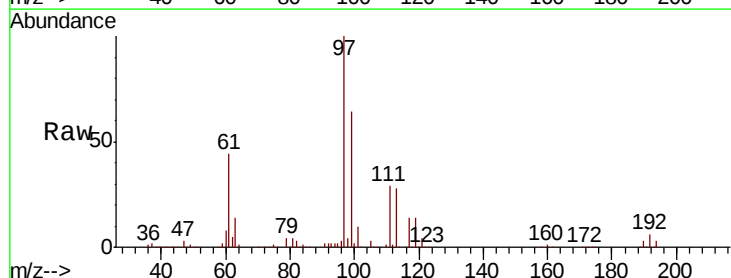
Acq: 2 Jan 2019 9:37

Tgt Ion: 97 Resp: 755254
Ion Ratio Lower Upper

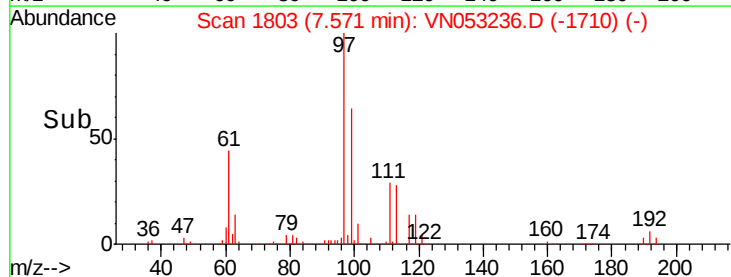
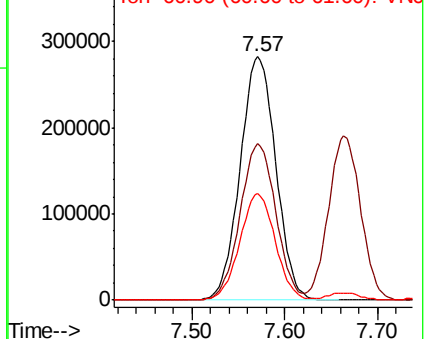
97 100

99 64.5 51.1 76.7

61 43.5 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





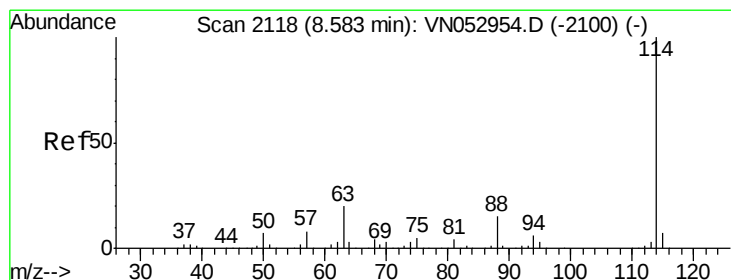
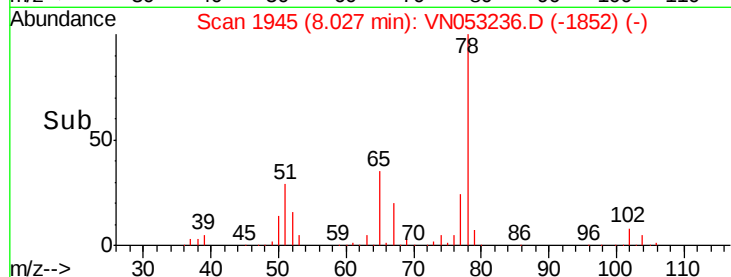
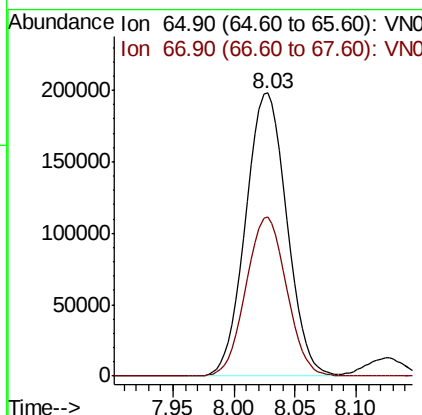
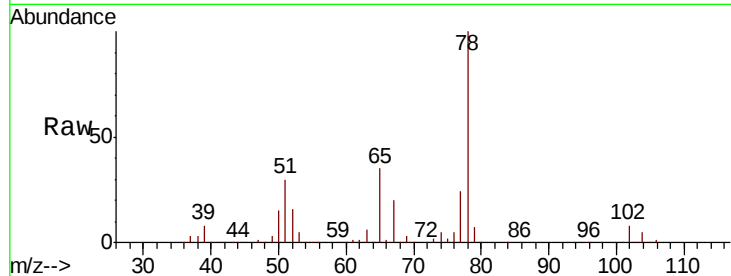
#33
 1,2-Dichloroethane-d4
 Concen: 52.416 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	463608		
67	55.5	0.0	110.4	

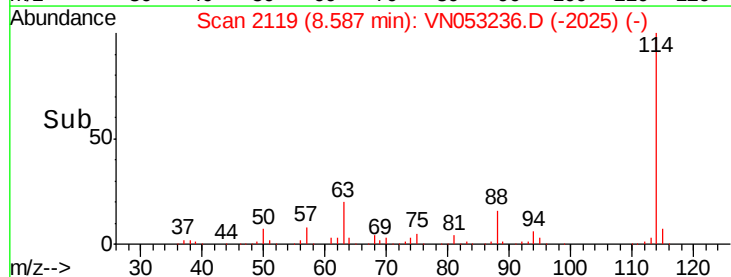
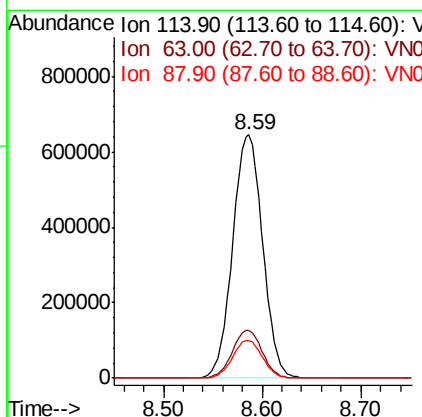
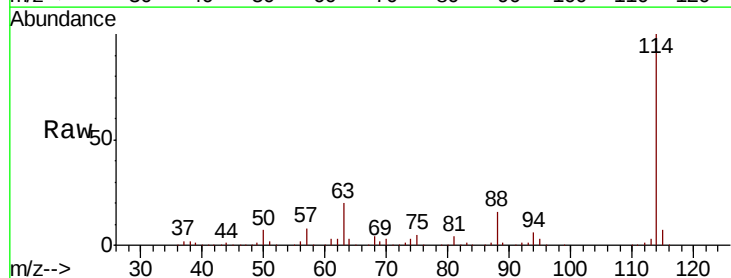
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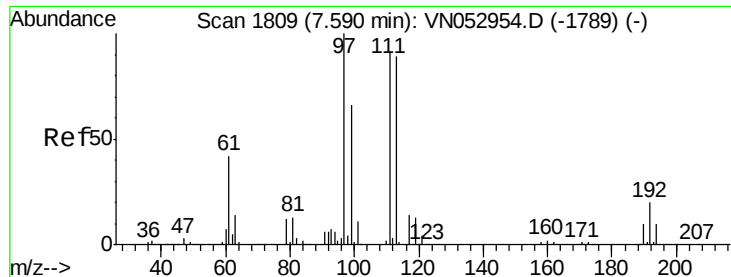
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1363468		
63	19.8	0.0	39.8	
88	15.5	0.0	31.0	





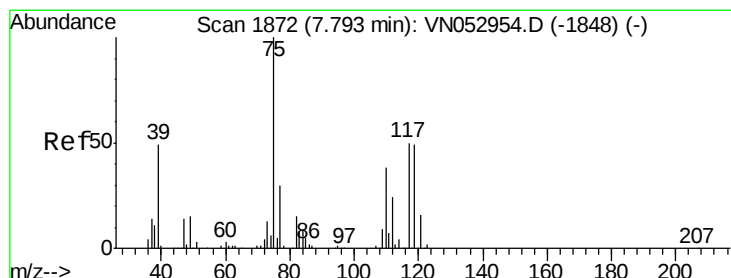
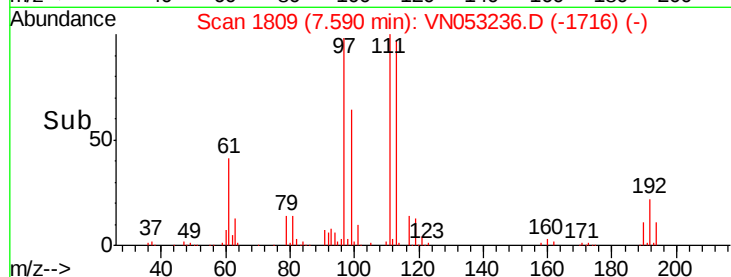
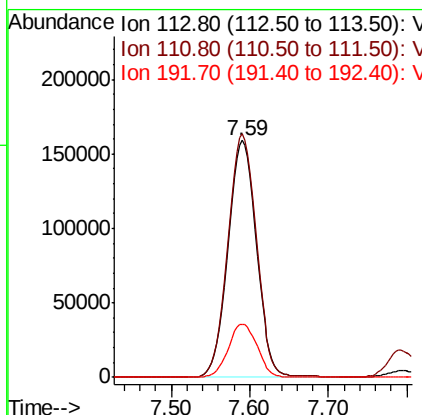
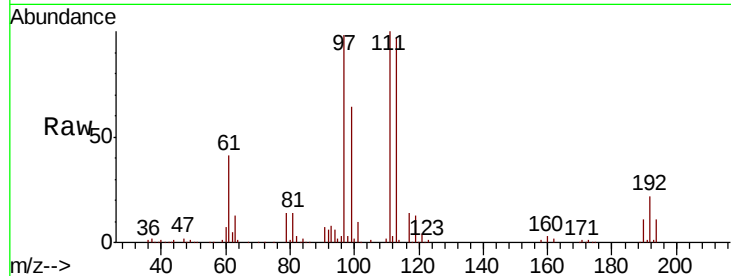
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	400553		
111	102.5	83.0	124.4	
192	22.8	17.5	26.3	

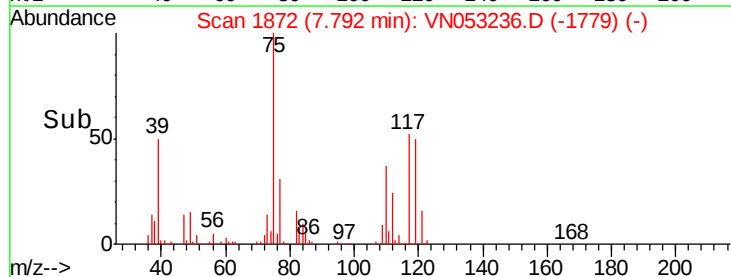
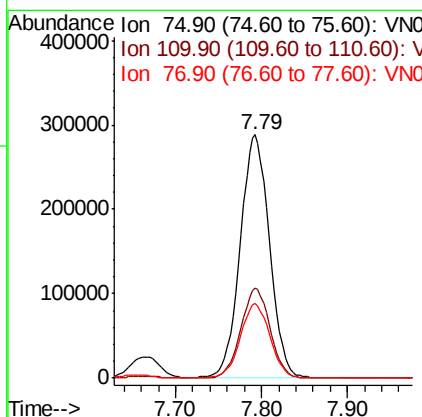
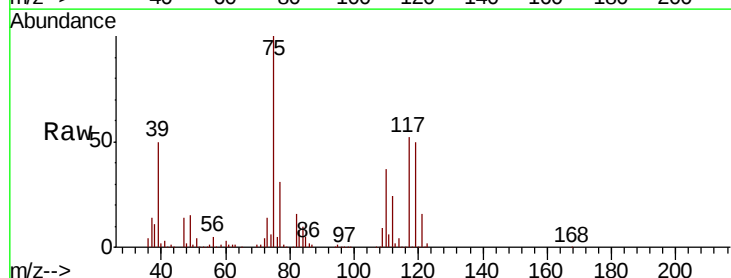
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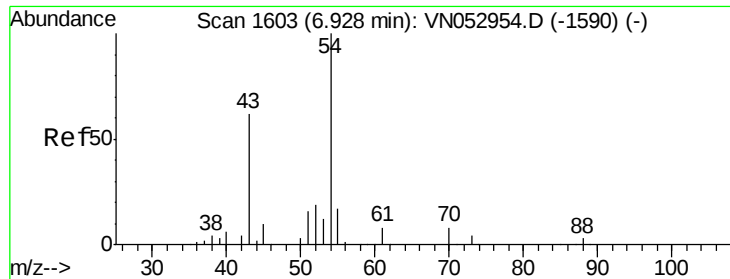
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1/3/2019 9:55:31 AM



#36
1,1-Dichloropropene
Concen: 51.937 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	679693		
110	36.8	18.2	54.6	
77	31.2	24.9	37.3	





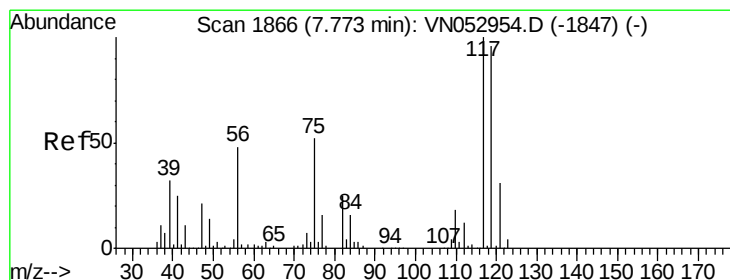
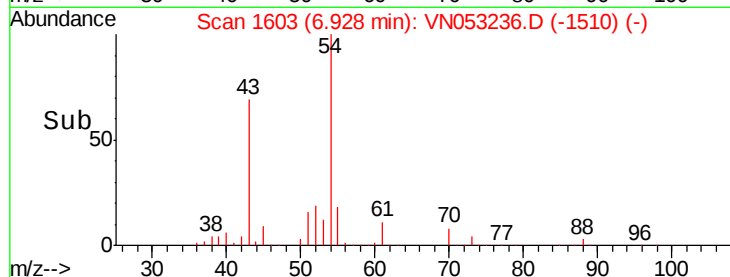
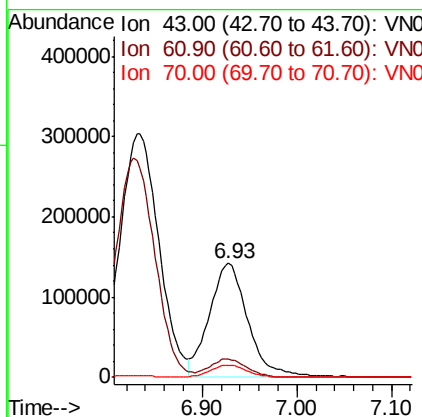
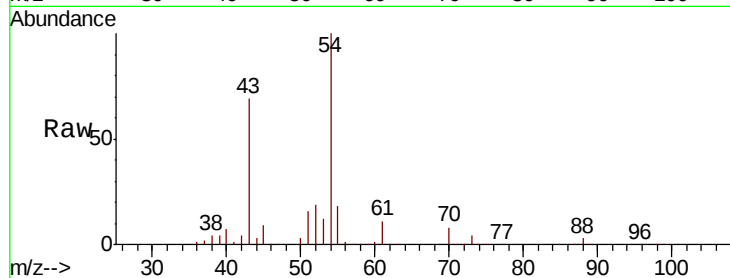
#37
Ethyl Acetate
Concen: 54.070 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.8	17.6
70	10.8	8.4	12.6

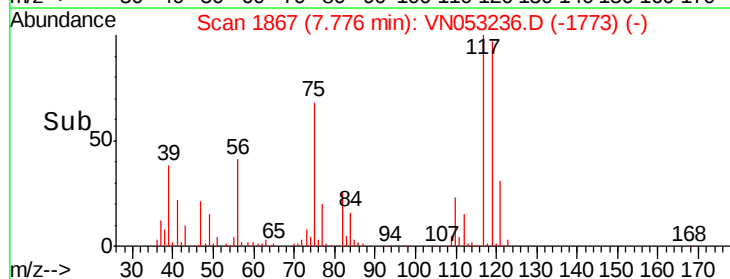
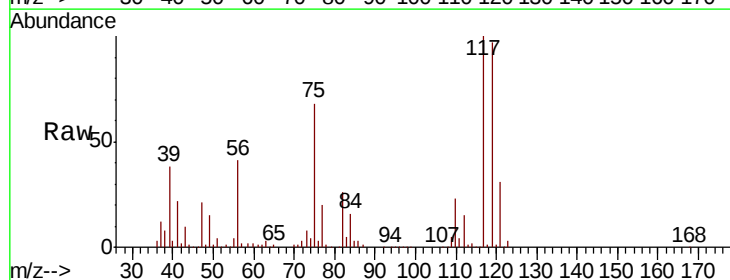
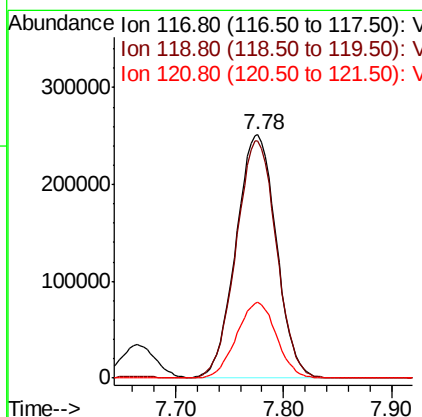
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#38
Carbon Tetrachloride
Concen: 54.380 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.1	115.7
121	31.1	24.9	37.3





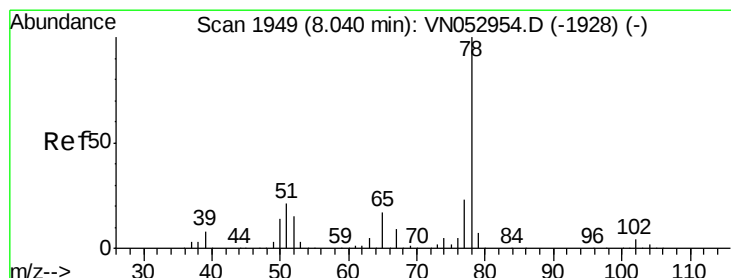
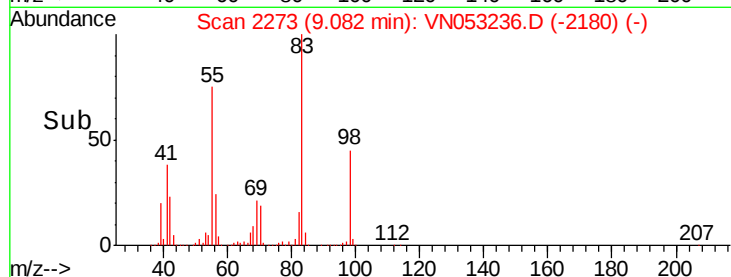
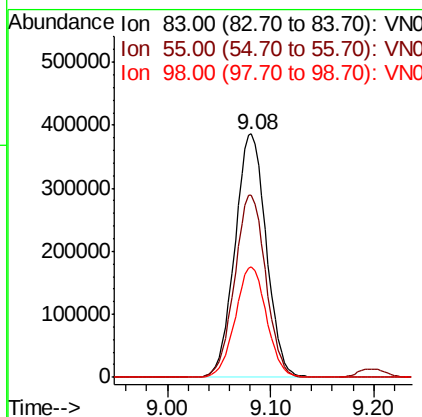
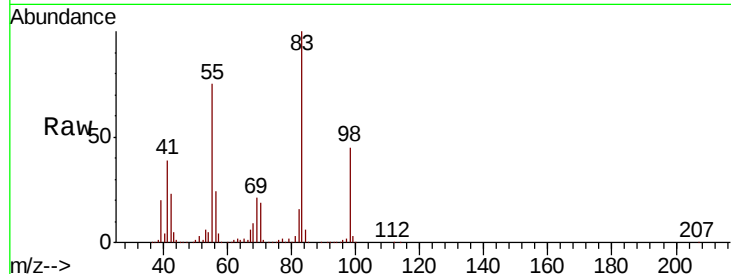
#39
Methvlcvclohexane
Concen: 51.270 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	815084
Ion	Ratio	Lower	Upper
83	100		
55	75.0	61.3	91.9
98	45.4	37.0	55.4

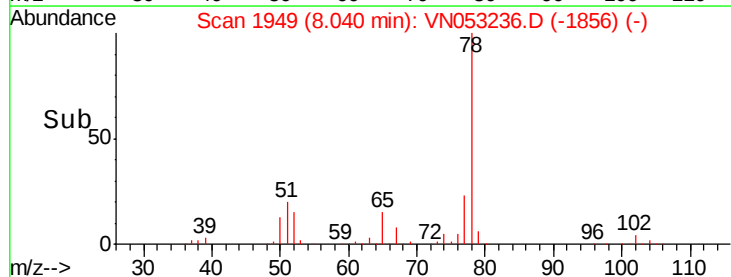
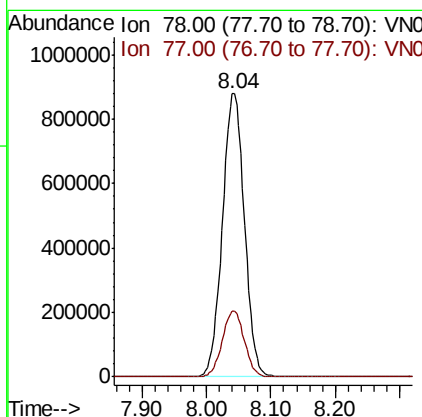
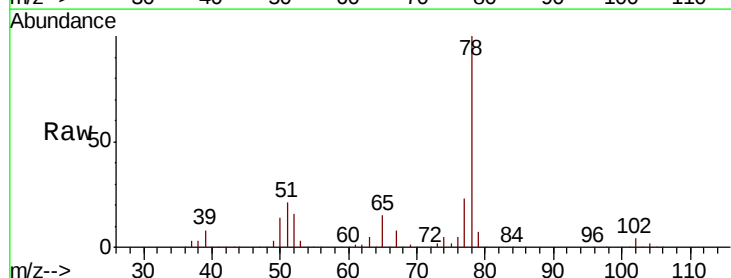
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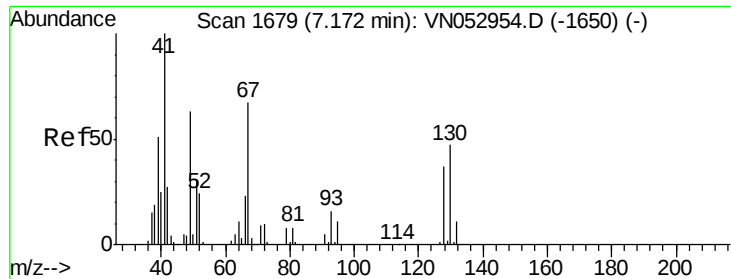
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#40
Benzene
Concen: 53.554 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion	78	Resp	2084686
Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.5	27.7





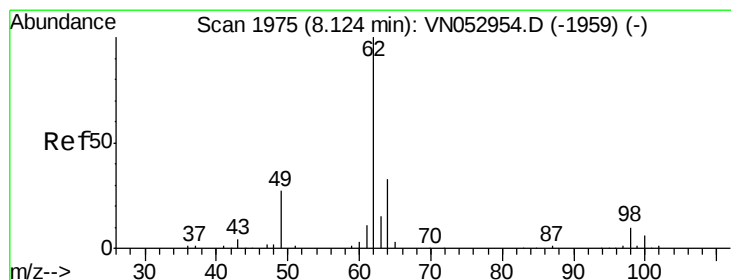
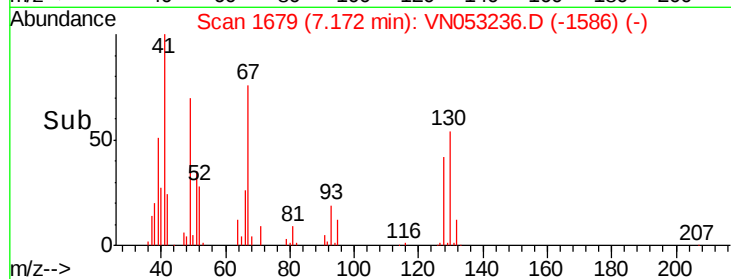
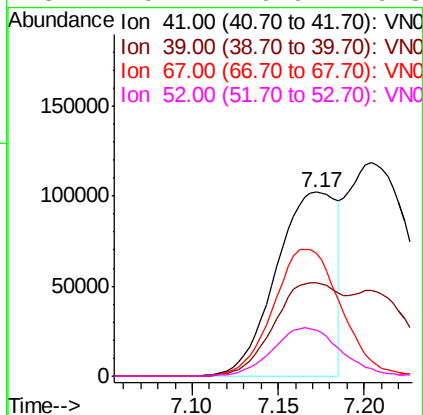
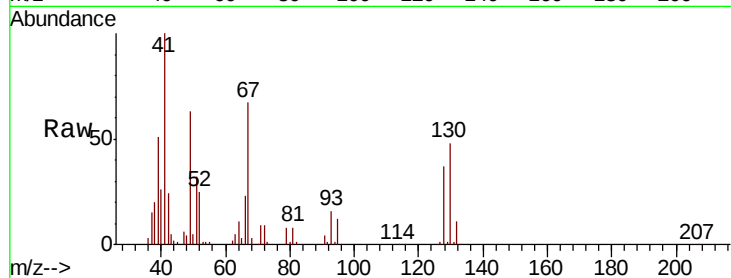
#41
Methacrylonitrile
Concen: 59.033 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	41	Resp	249191
Ion Ratio	Lower	Upper	
41	100		
39	58.5	48.0	72.0
67	78.0	70.3	105.5
52	29.7	26.9	40.3

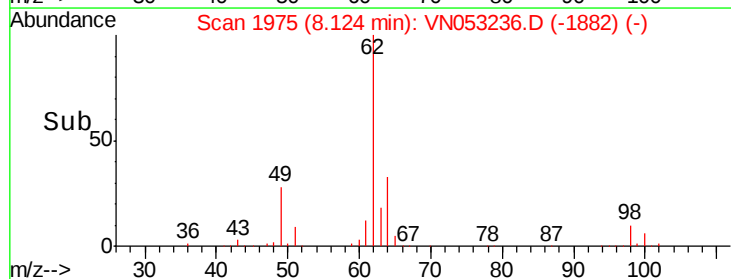
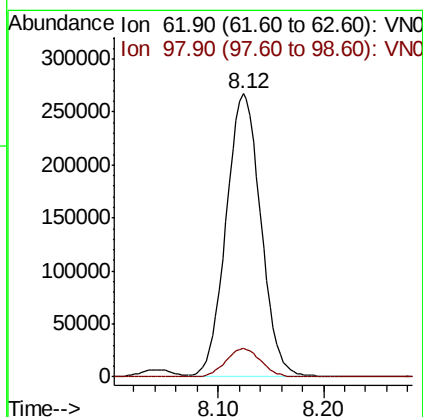
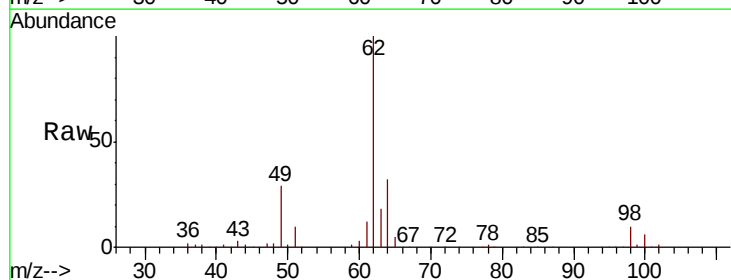
Manual Integrations
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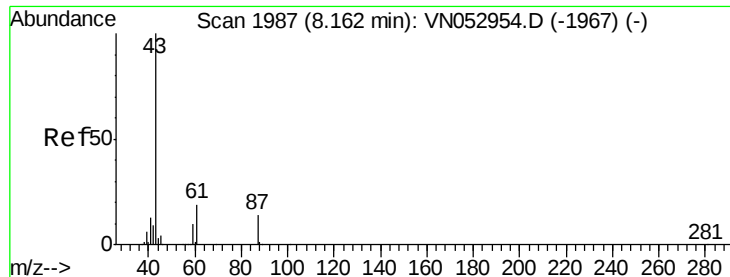
MMDadoda
1/3/2019 9:55:31 AM



#42
1,2-Dichloroethane
Concen: 52.843 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion	62	Resp	607676
Ion Ratio	Lower	Upper	
62	100		
98	10.2	0.0	19.0





#43

Isopropyl Acetate

Concen: 51.654 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

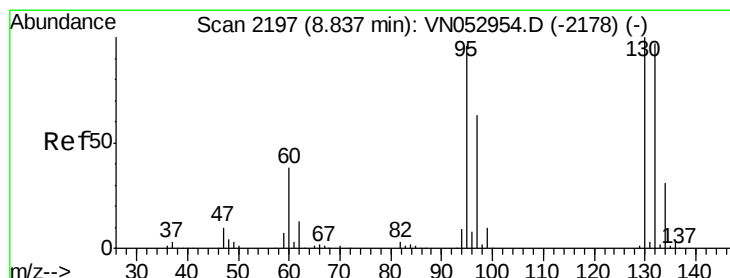
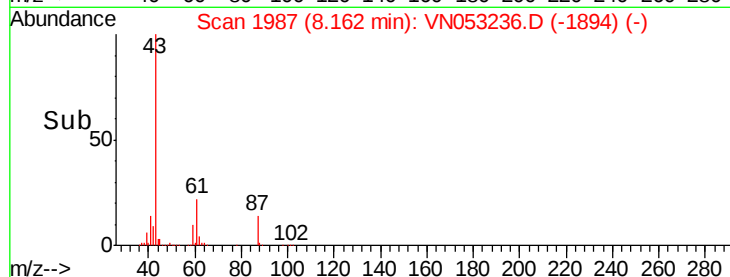
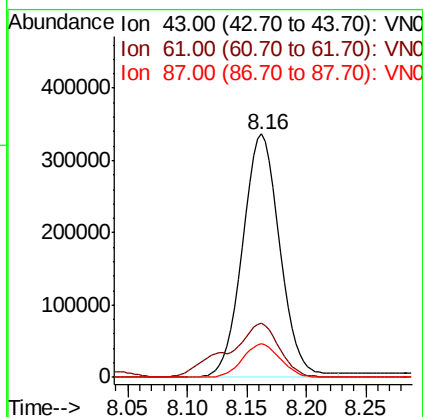
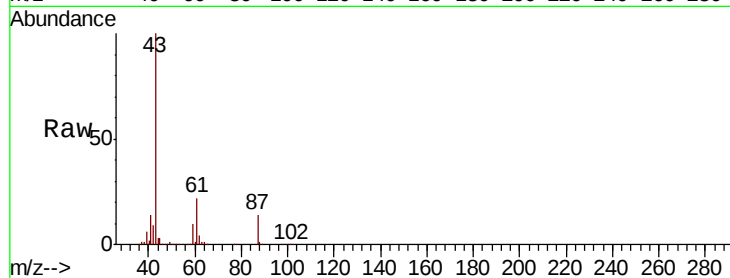
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	729799
Ion	Ratio	Lower	Upper
43	100		
61	30.5	22.9	34.3
87	14.0	10.6	15.8

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#44

Trichloroethene

Concen: 50.729 ug/l

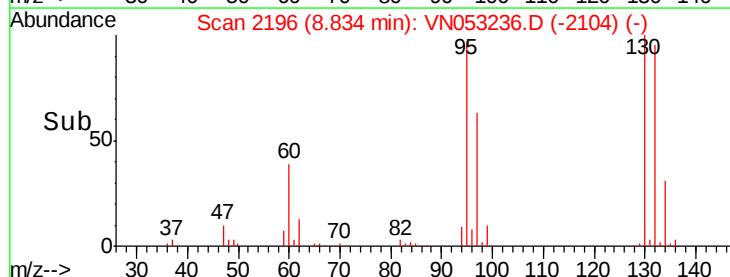
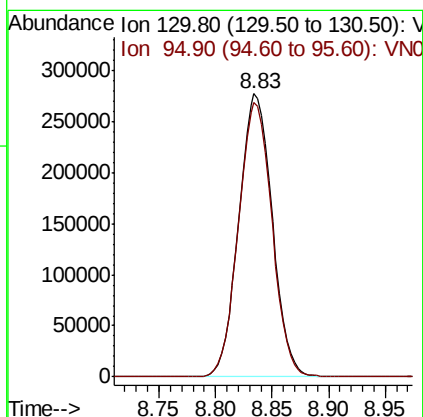
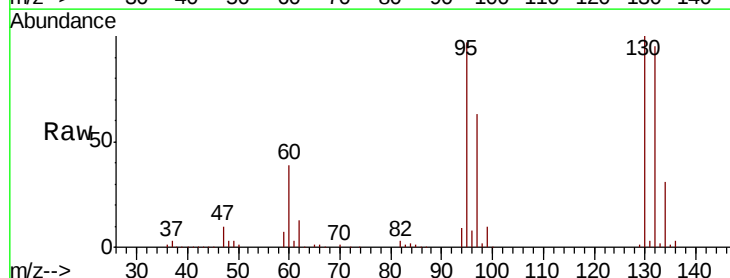
RT: 8.83 min Scan# 2196

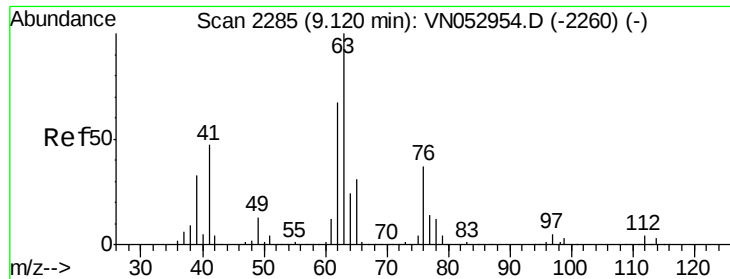
Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Tgt Ion:	130	Resp:	571166
Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	197.8





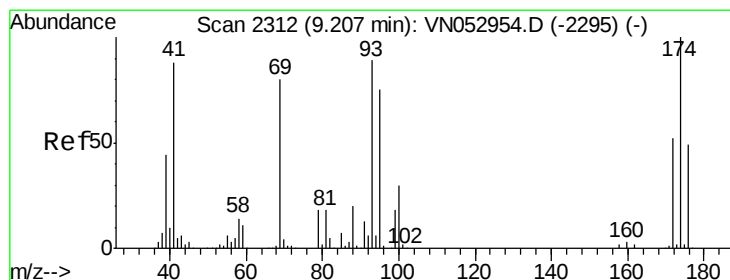
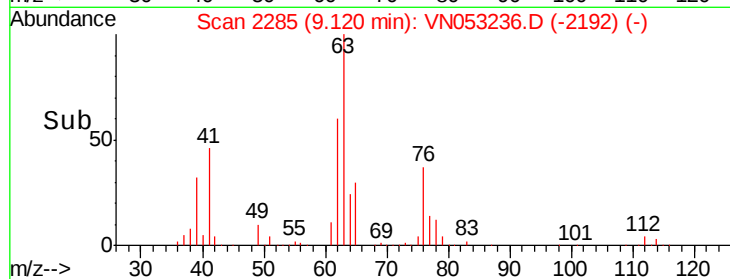
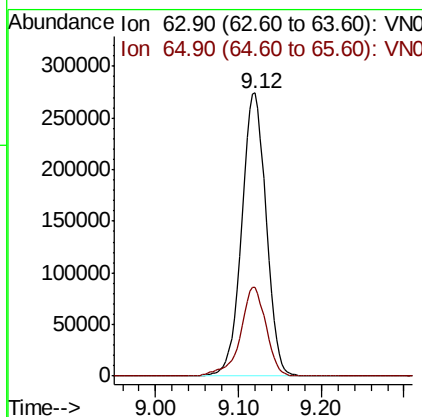
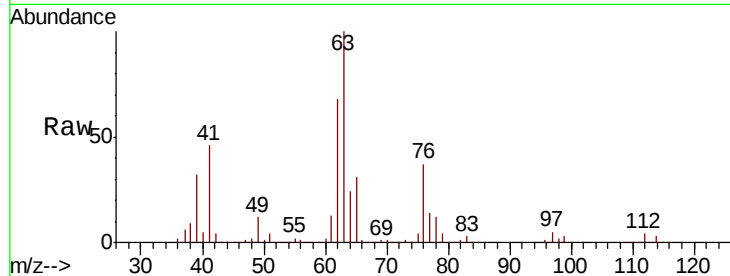
#45
 1,2-Dichloropropane
 Concen: 55.385 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 561568
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.6 37.0

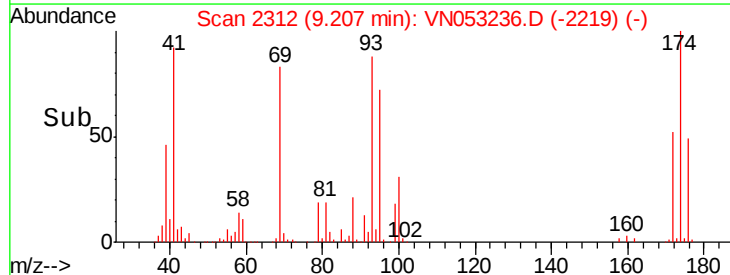
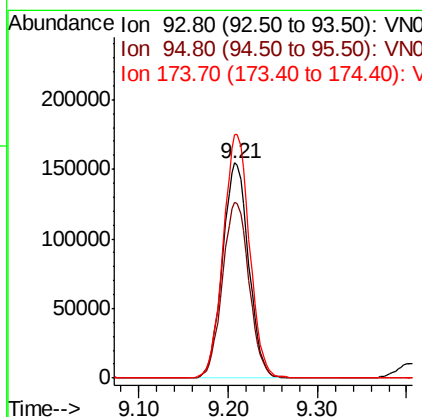
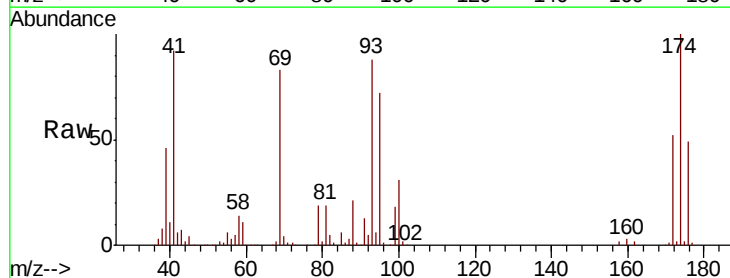
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 1/3/2019 9:55:31 AM



#46
 Dibromomethane
 Concen: 53.038 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Tgt Ion: 93 Resp: 313275
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.8 101.6
 174 114.3 89.0 133.4





#47

Bromodichloromethane

Concen: 55.636 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

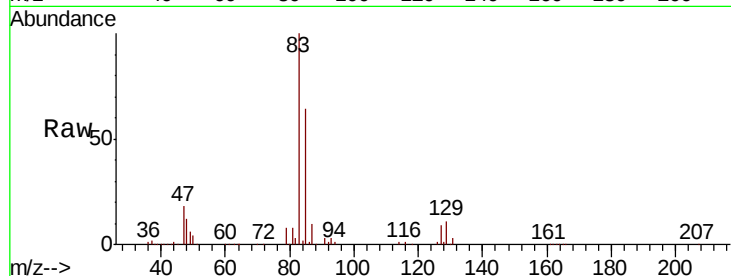
ClientSampleId :

VSTDCCC050

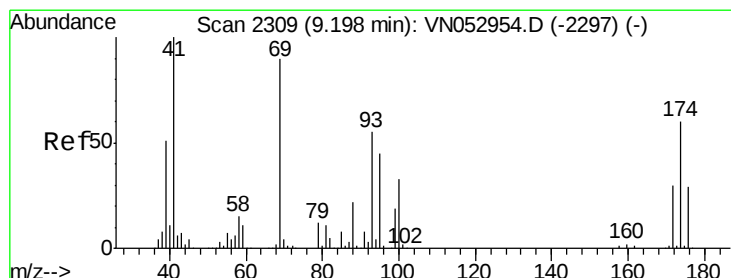
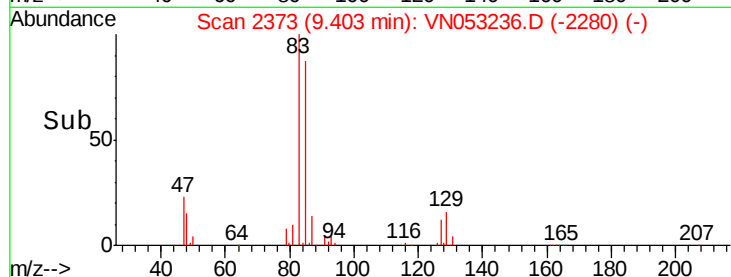
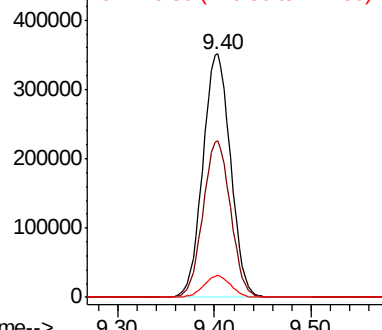
Tot Ion:	83	Resp:	698536
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.6	77.4
127	9.0	7.1	10.7

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Abundance Ion 82.90 (82.60 to 83.60): VN053236.D (-2280) (-)



#48

Methyl methacrylate

Concen: 54.928 ug/l

RT: 9.20 min Scan# 2309

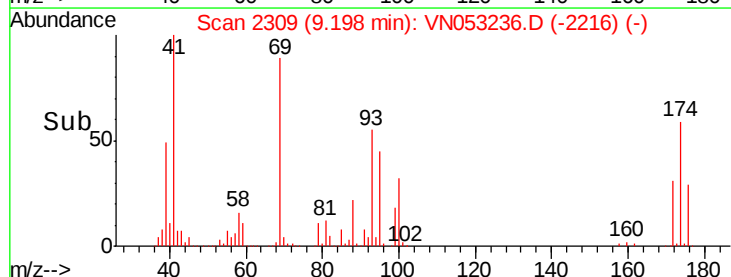
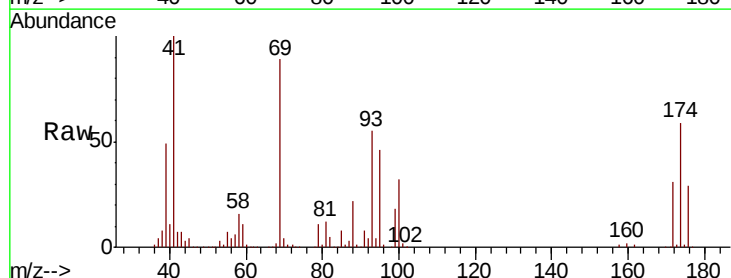
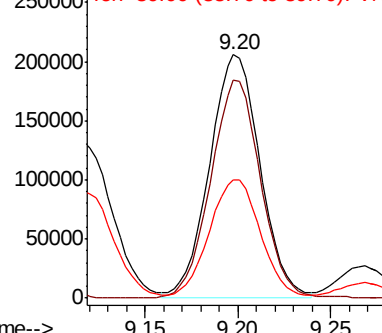
Delta R.T. 0.00 min

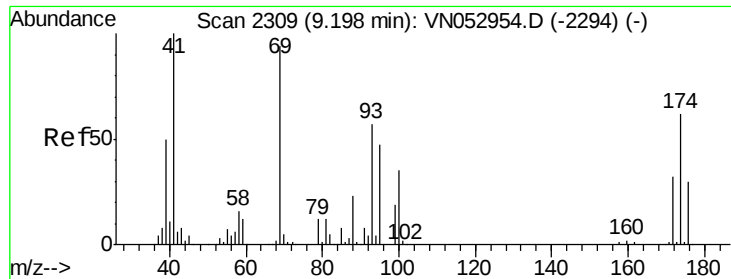
Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Tgt Ion:	41	Resp:	389399
Ion	Ratio	Lower	Upper
41	100		
69	88.9	72.2	108.2
39	49.7	41.9	62.9

Abundance Ion 41.00 (40.70 to 41.70): VN053236.D (-2216) (-)





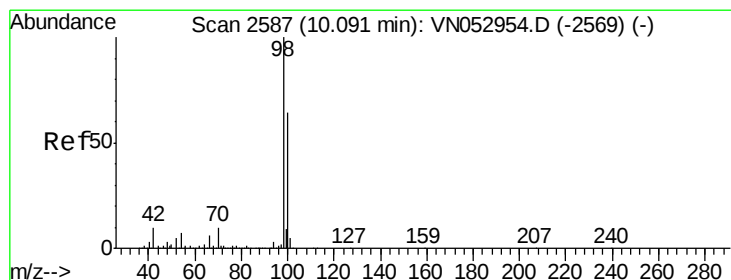
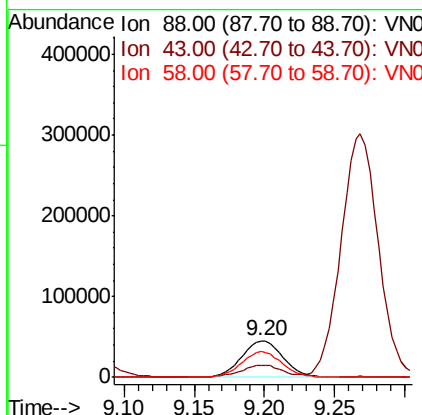
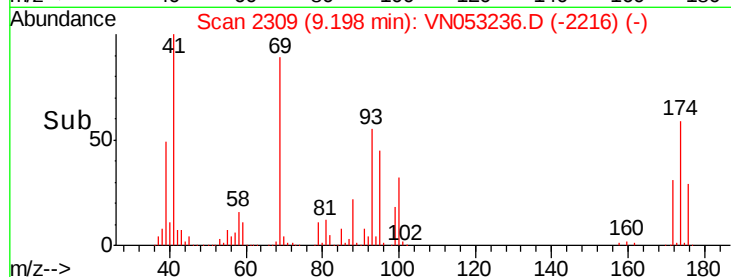
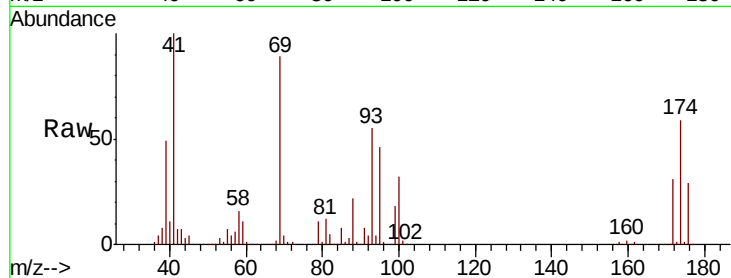
#49
1,4-Dioxane
Concen: 1039.436 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	93213
Ion Ratio	Lower	Upper	
88	100		
43	32.2	26.6	40.0
58	69.6	58.4	87.6

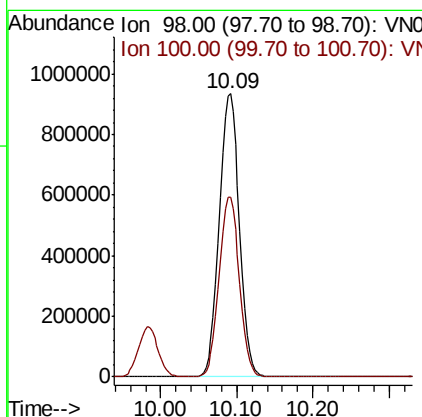
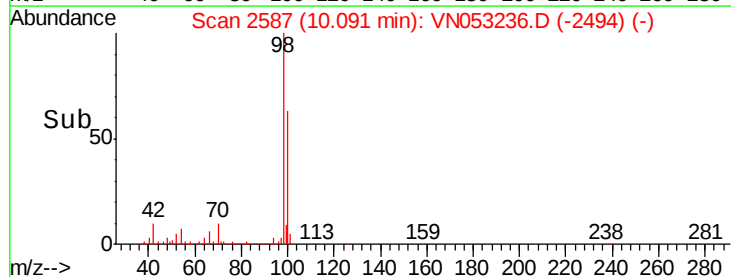
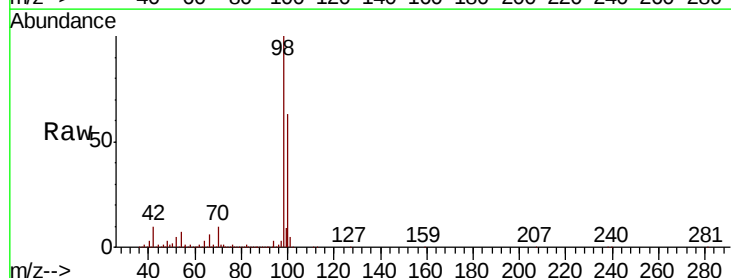
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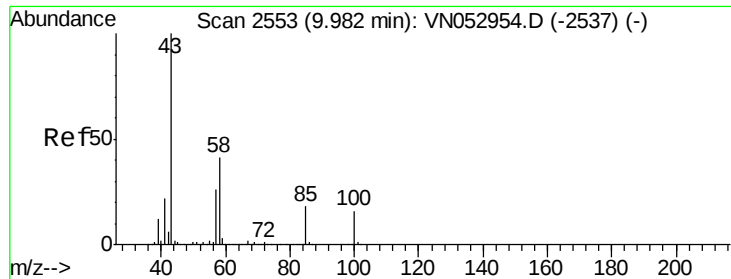
MMDadoda
1/3/2019 9:55:31 AM



#50
Toluene-d8
Concen: 1039.436 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion	98	Resp	1716040
Ion Ratio	Lower	Upper	
98	100		
100	64.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 274.220 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1940123

Ion Ratio Lower Upper

43 100

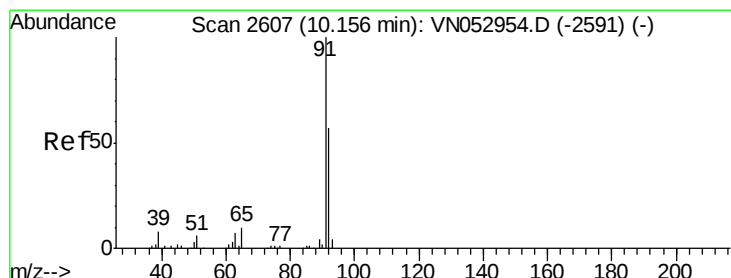
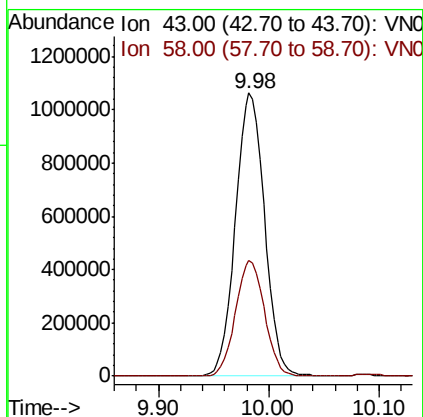
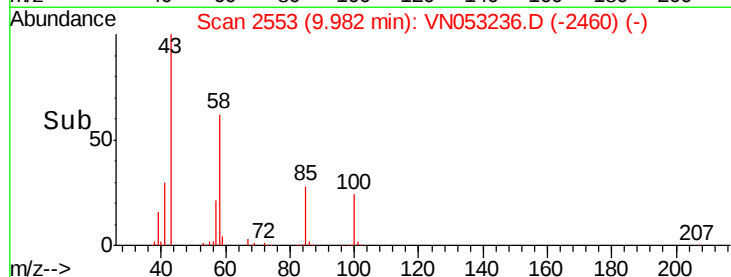
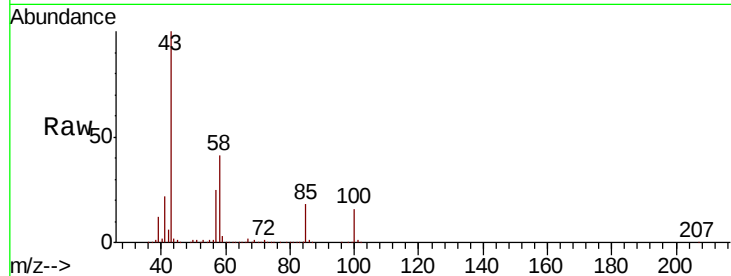
58 40.8 32.2 48.4

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1/3/2019 9:55:31 AM



#52

Toluene

Concen: 53.622 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053236.D

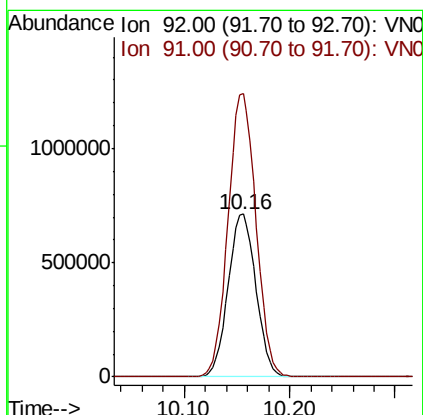
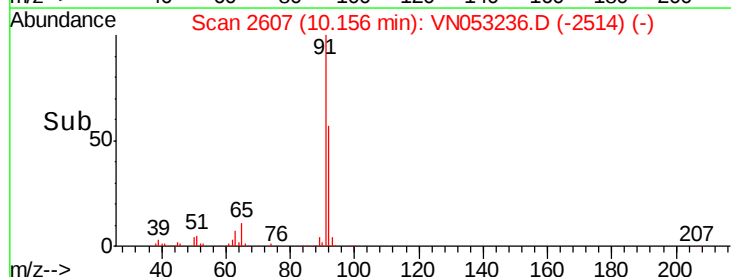
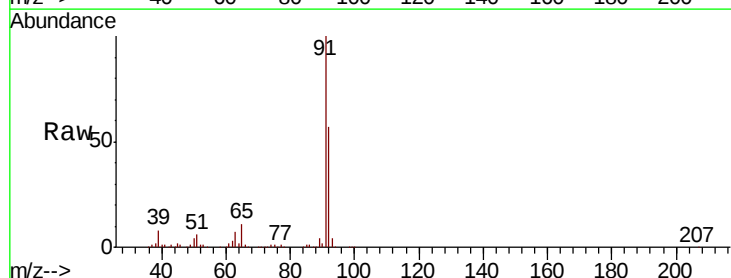
Acq: 2 Jan 2019 9:37

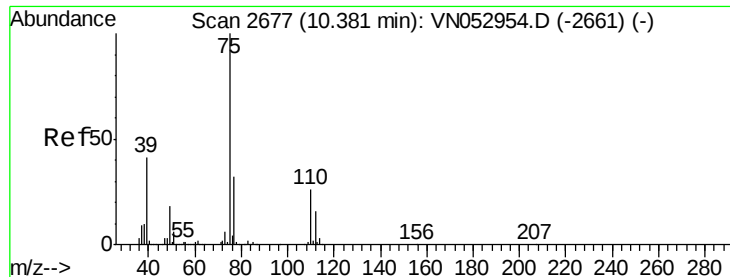
Tgt Ion: 92 Resp: 1293781

Ion Ratio Lower Upper

92 100

91 175.0 139.8 209.6





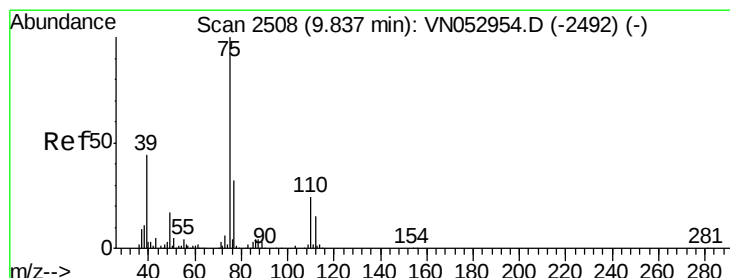
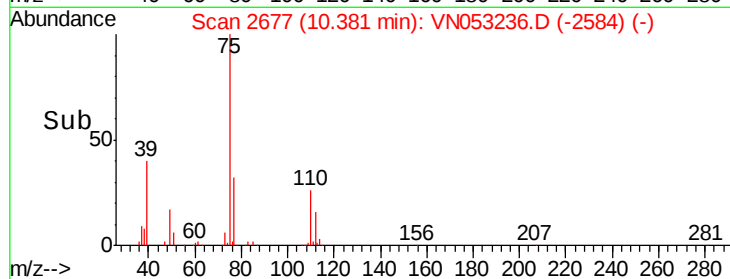
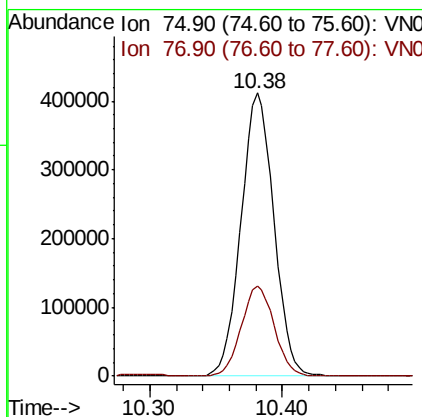
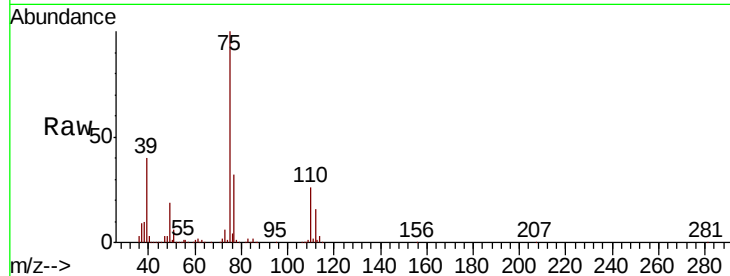
#53
t-1,3-Dichloropropene
Concen: 53.737 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.6	38.4

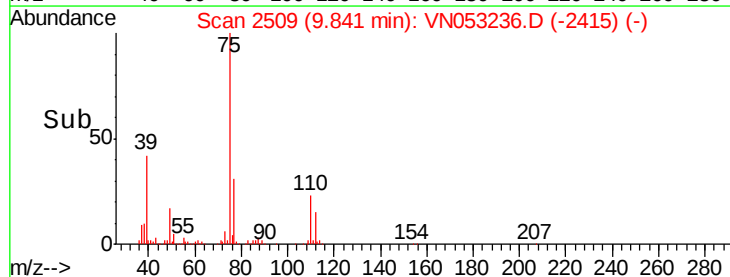
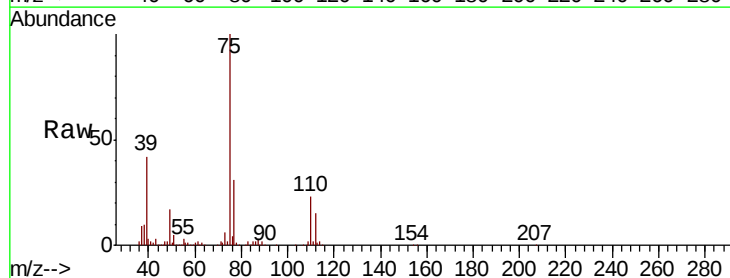
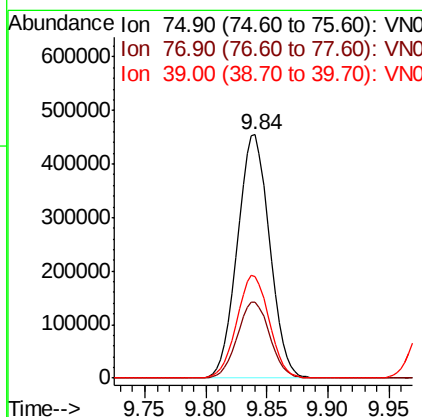
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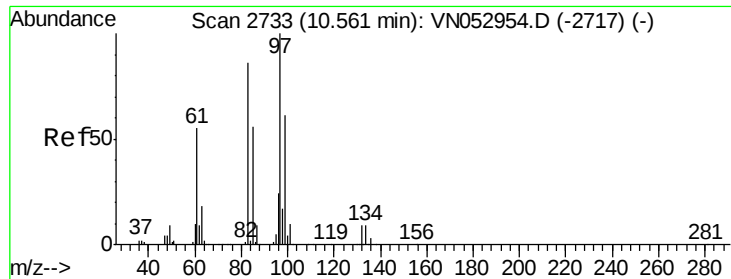
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#54
cis-1,3-Dichloropropene
Concen: 54.898 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.8
39	41.7	34.8	52.2





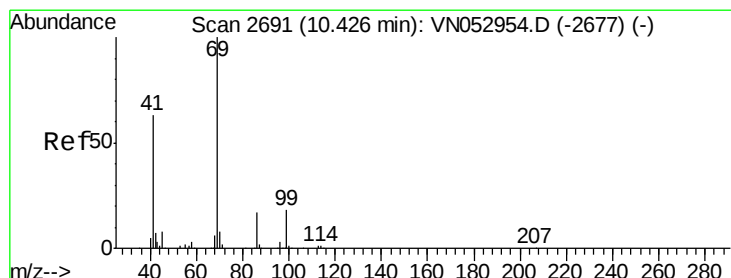
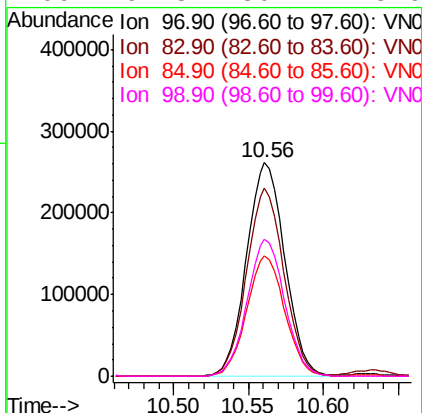
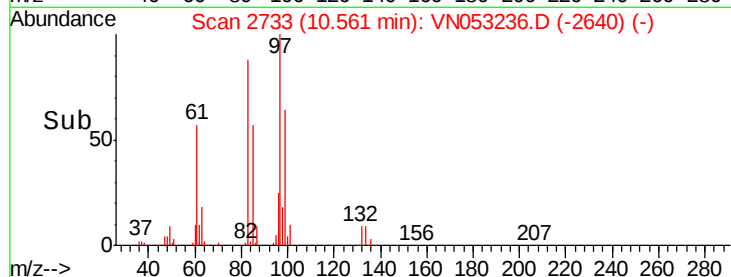
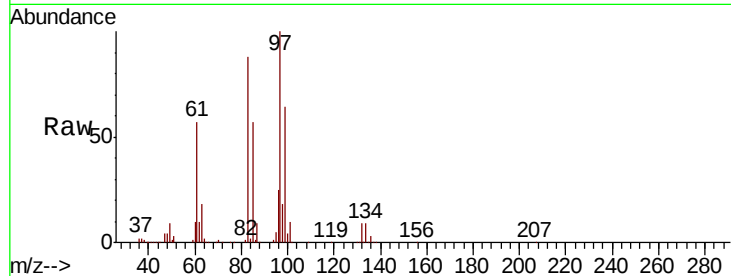
#55
1,1,2-Trichloroethane
Concen: 55.331 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	97	Resp:	465751
Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.9	106.3
85	56.6	45.4	68.2
99	64.3	50.4	75.6

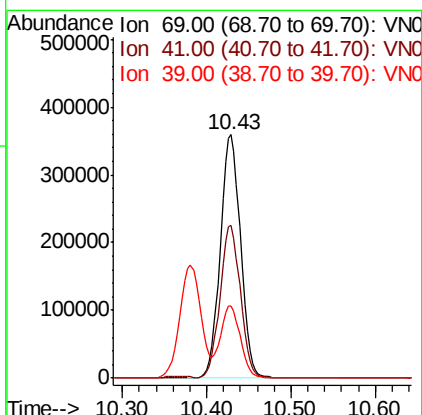
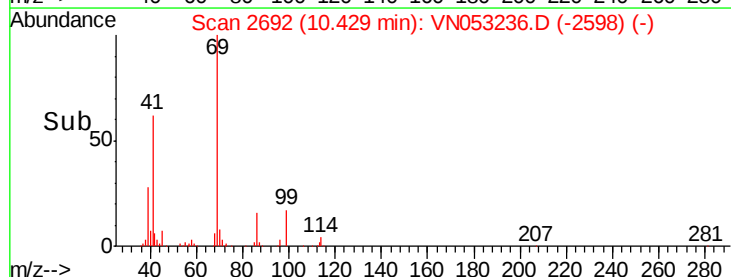
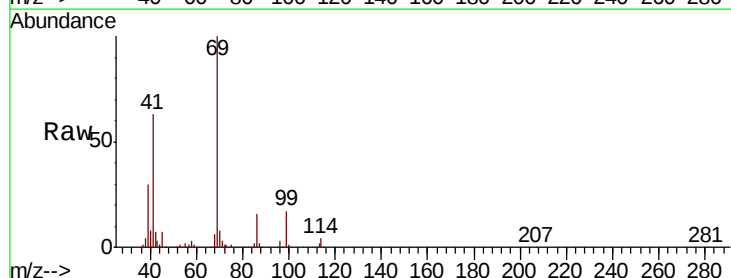
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#56
Ethyl methacrylate
Concen: 53.926 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion:	69	Resp:	600805
Ion	Ratio	Lower	Upper
69	100		
41	61.9	51.7	77.5
39	29.2	24.6	37.0





#57

1,3-Dichloropropane

Concen: 54.356 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 784599

Ion Ratio Lower Upper

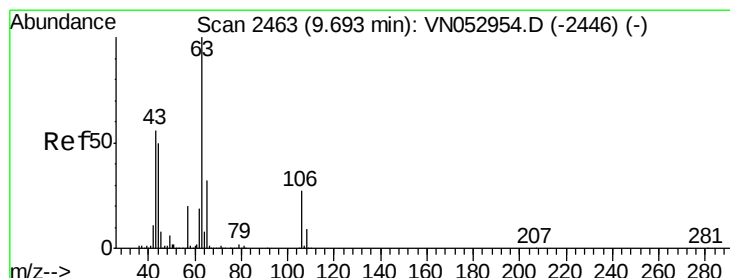
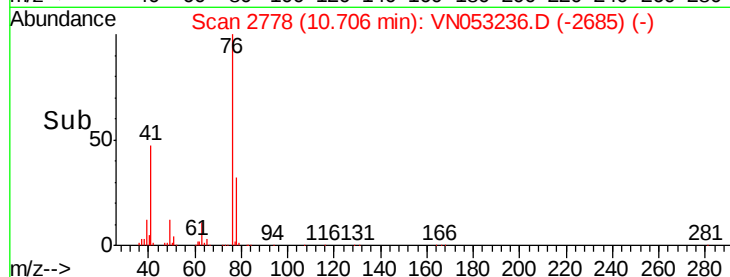
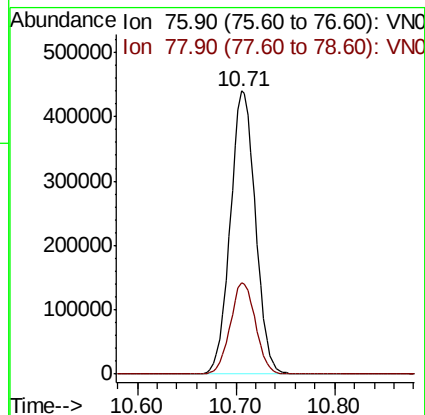
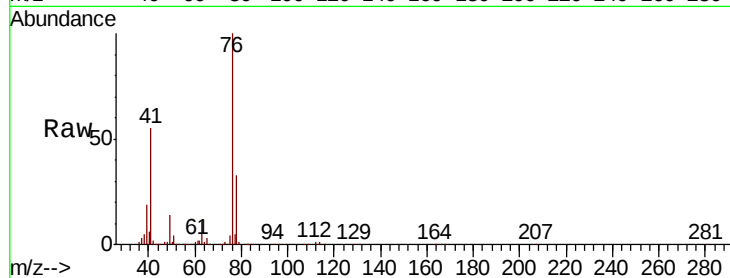
76 100

78 32.5 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 266.422 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN053236.D

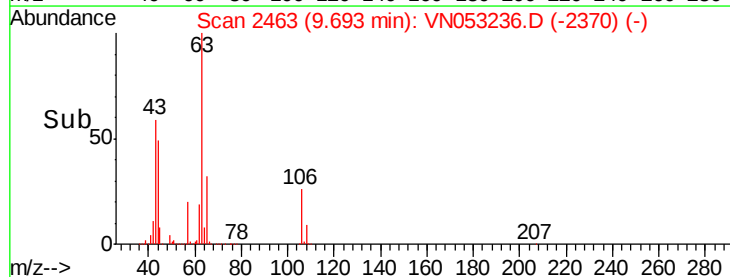
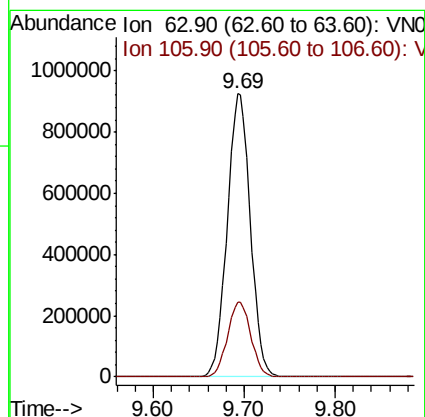
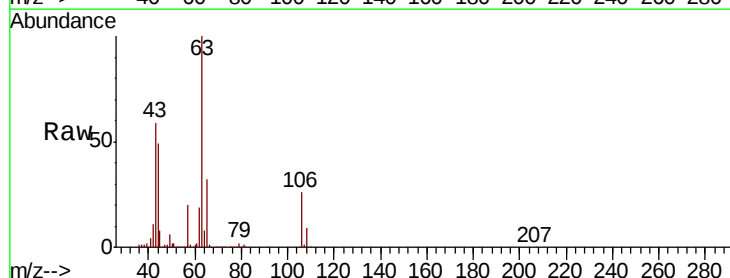
Acq: 2 Jan 2019 9:37

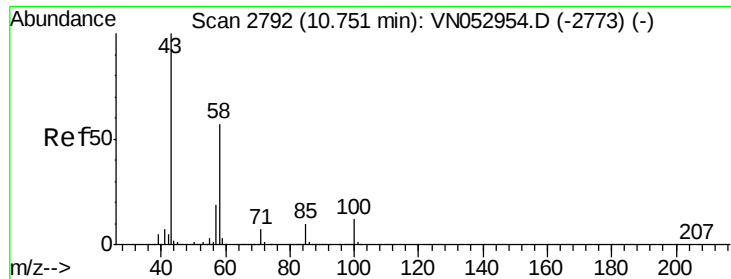
Tgt Ion: 63 Resp: 1629586

Ion Ratio Lower Upper

63 100

106 26.8 21.0 31.6





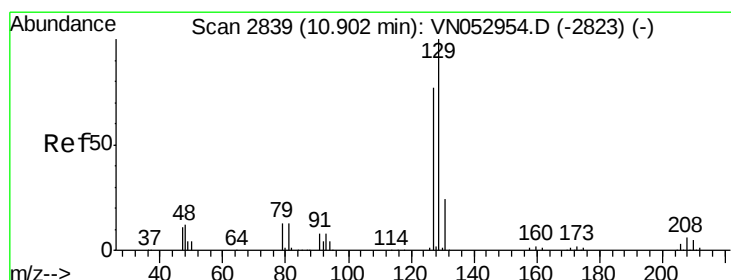
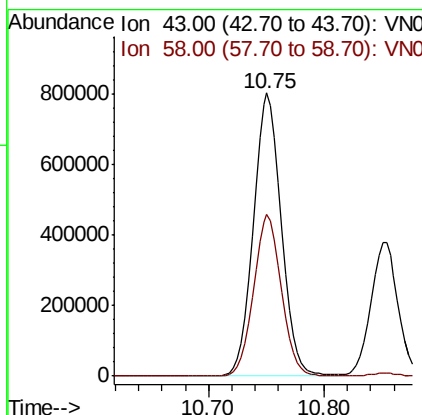
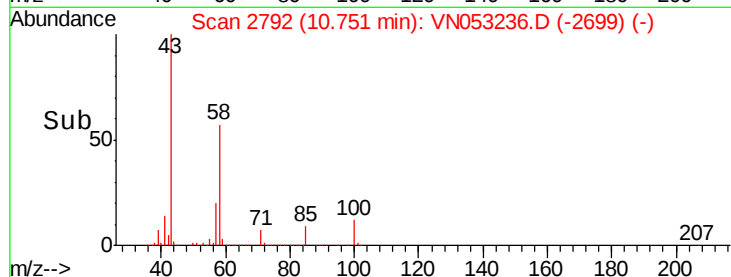
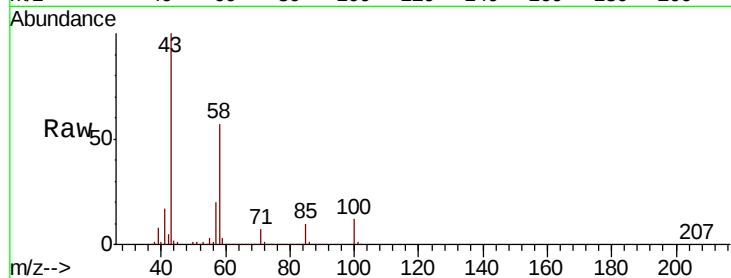
#59
2-Hexanone
Concen: 281.612 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1348038
Ion Ratio Lower Upper
43 100
58 56.9 28.1 84.3

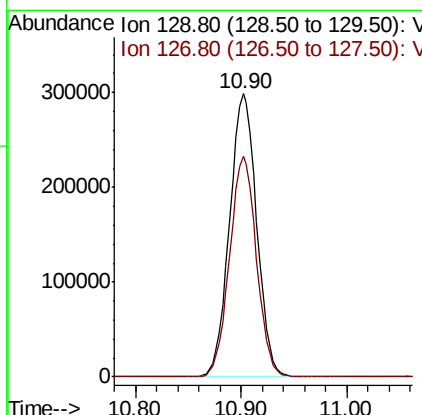
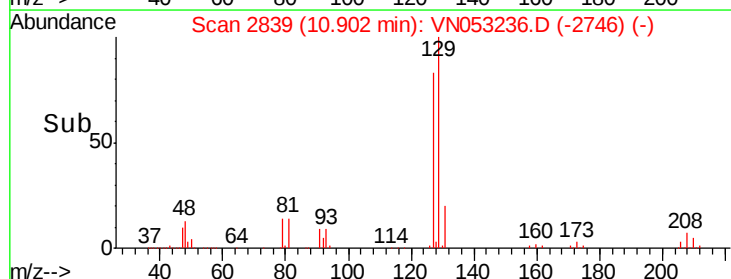
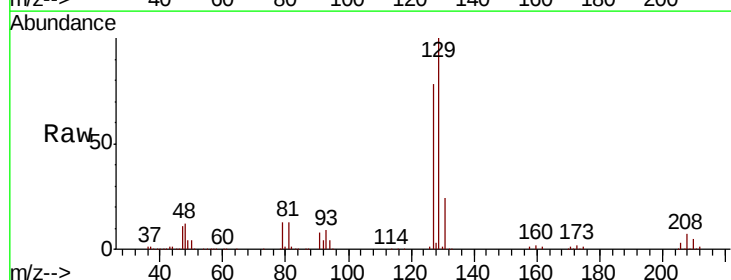
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#60
Dibromochloromethane
Concen: 54.975 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion: 129 Resp: 529698
Ion Ratio Lower Upper
129 100
127 77.2 38.6 116.0





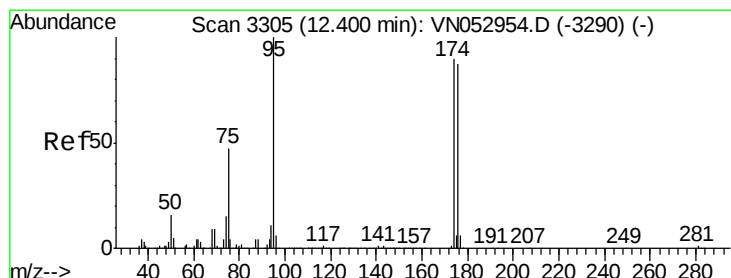
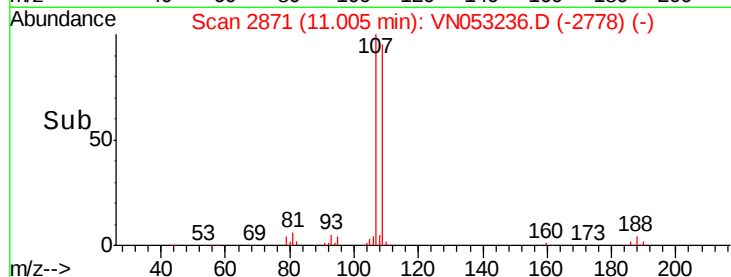
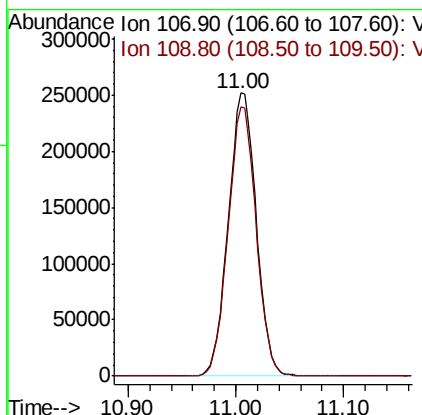
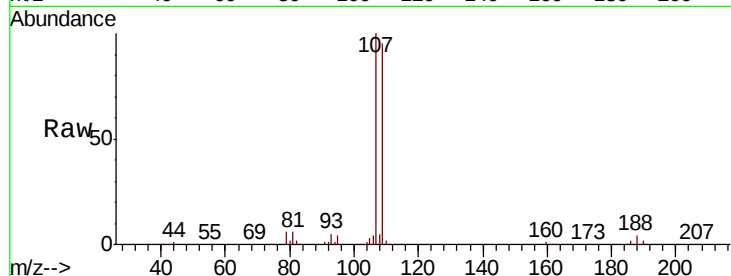
#61
 1,2-Dibromoethane
 Concen: 53.404 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.4	113.0

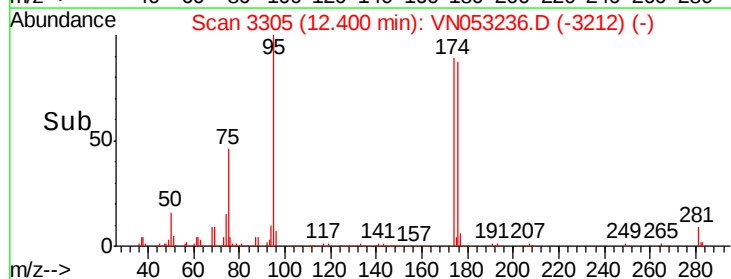
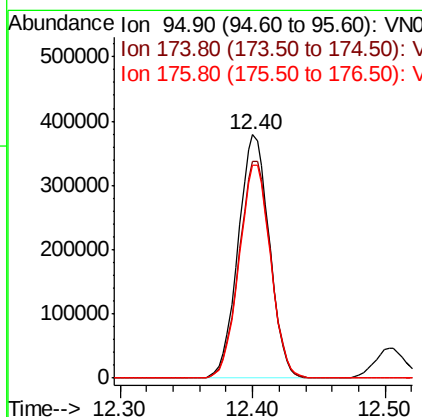
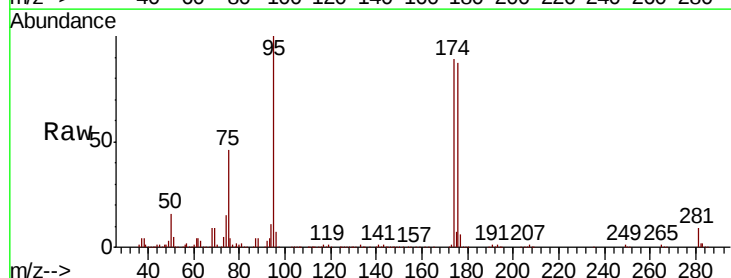
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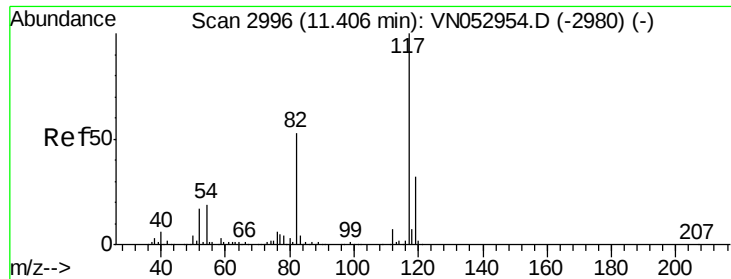
MMDadoda
 1/3/2019 9:55:31 AM



#62
 4-Bromofluorobenzene
 Concen: 53.404 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	178.8
176	88.0	0.0	173.8





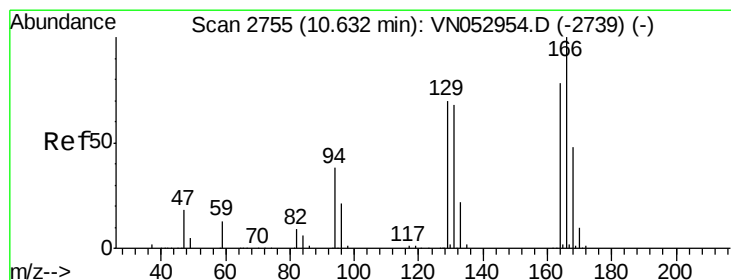
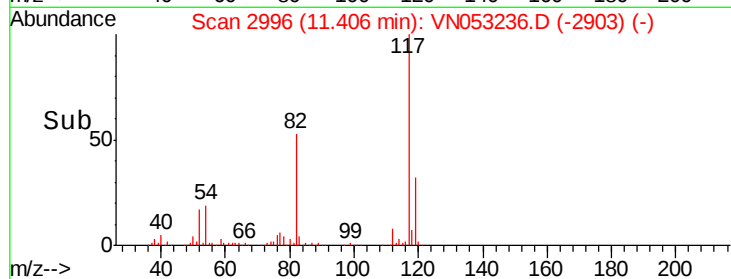
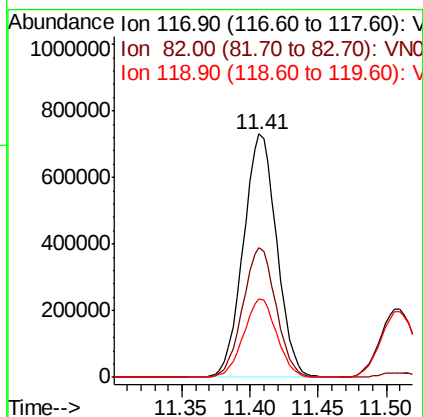
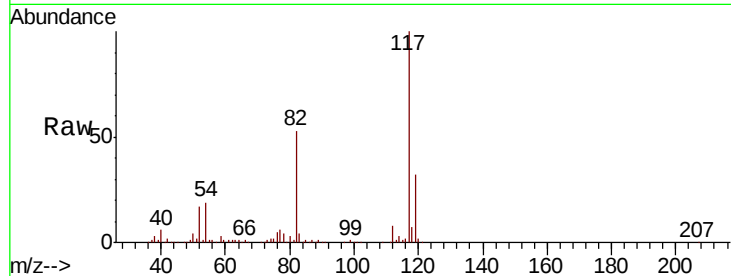
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.8	64.2
119	32.3	25.5	38.3

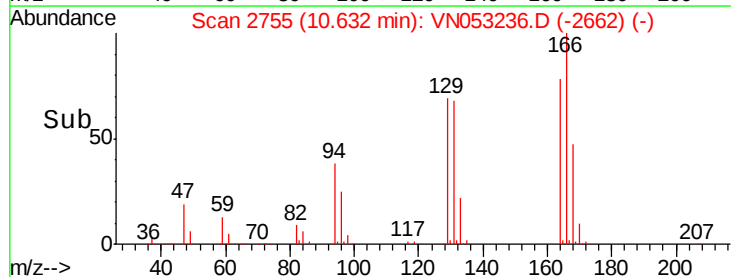
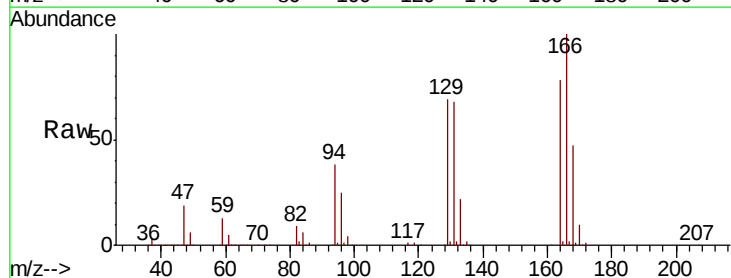
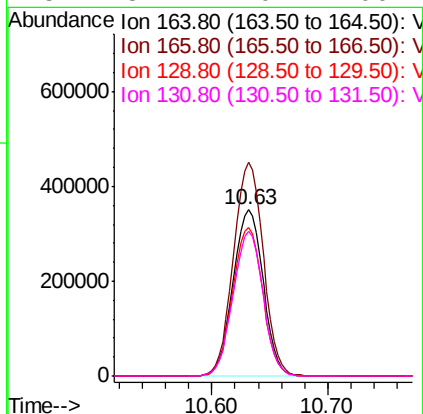
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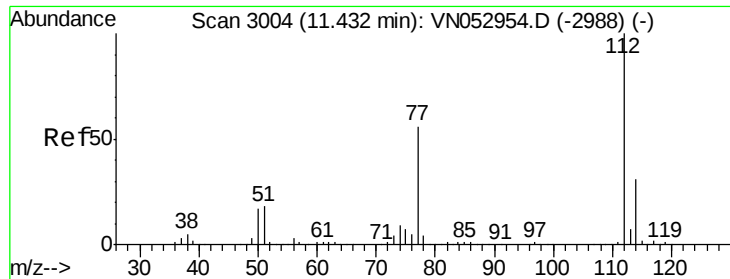
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#64
Tetrachloroethene
Concen: 46.883 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	102.9	154.3
129	89.3	73.7	110.5
131	87.1	70.7	106.1





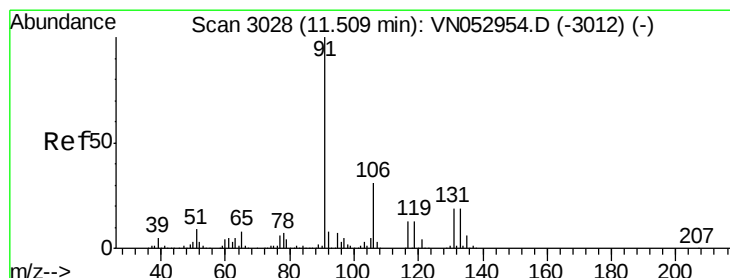
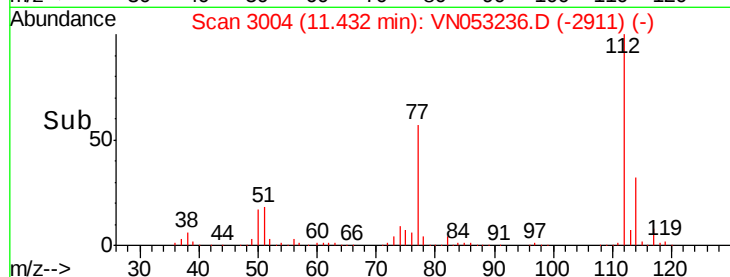
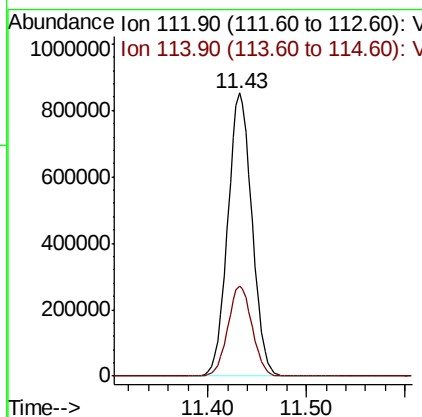
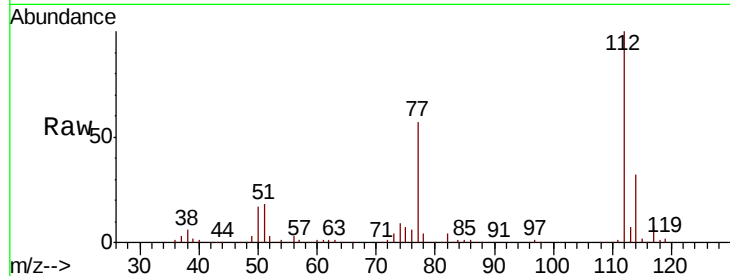
#65
Chlorobenzene
Concen: 53.160 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1460975
Ion Ratio Lower Upper
112 100
114 31.9 25.5 38.3

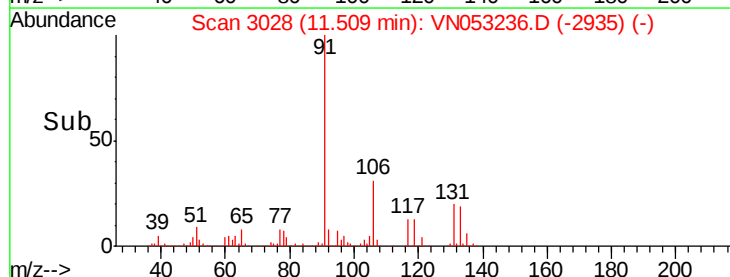
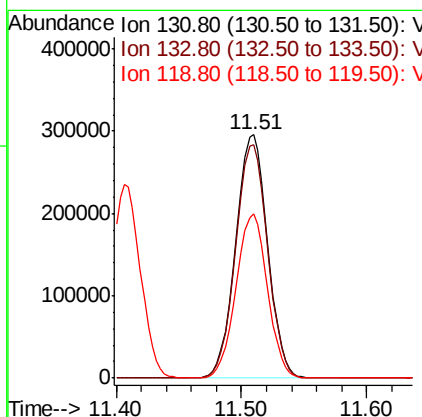
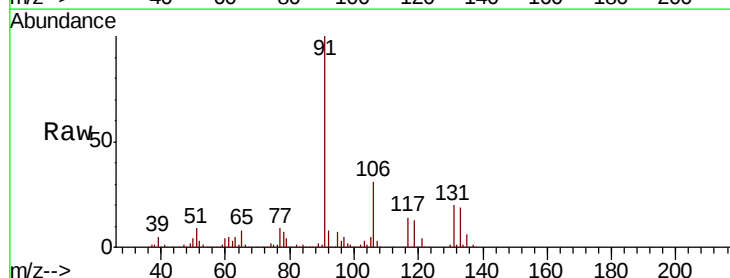
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.722 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion:131 Resp: 522980
Ion Ratio Lower Upper
131 100
133 96.2 47.6 142.9
119 66.5 33.3 99.8





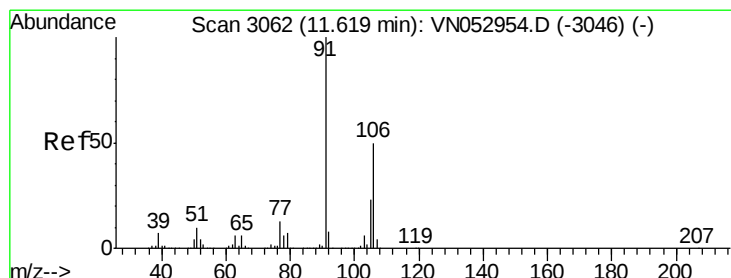
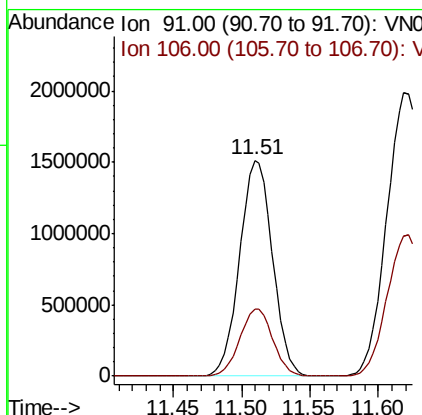
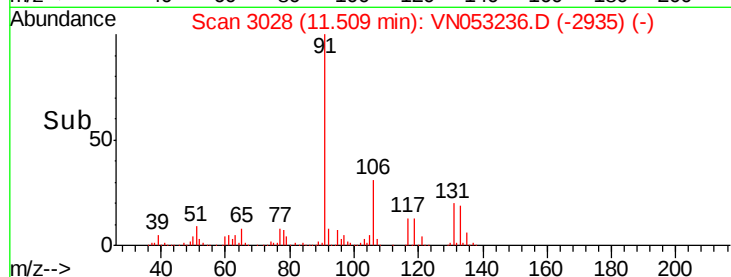
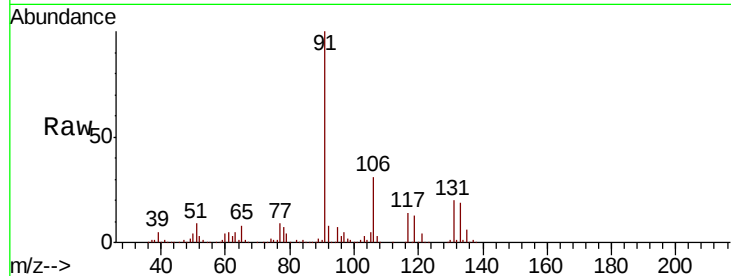
#67
Ethyl Benzene
Concen: 53.427 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 2525116
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3

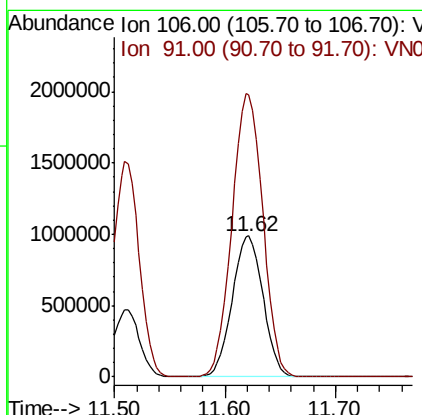
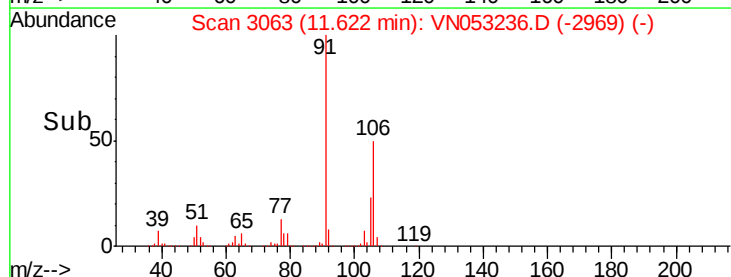
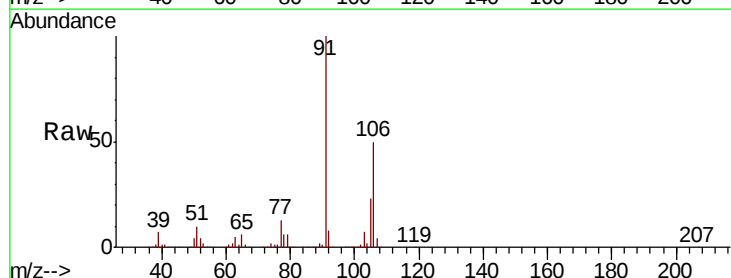
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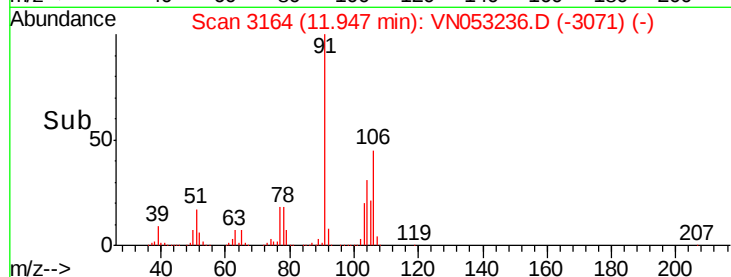
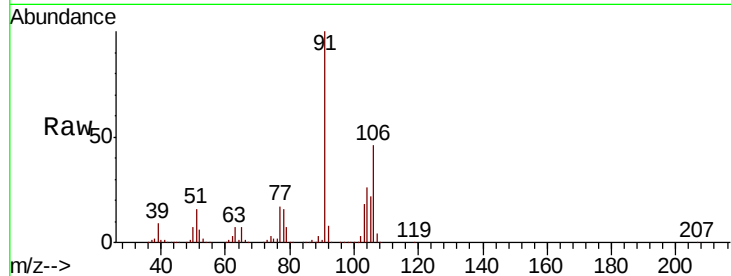
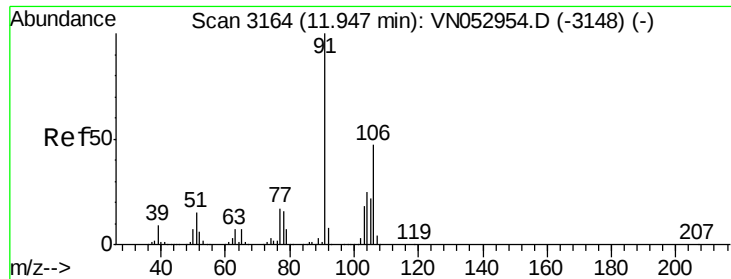
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#68
m/p-Xylenes
Concen: 106.261 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion: 106 Resp: 1909217
Ion Ratio Lower Upper
106 100
91 201.5 162.2 243.4





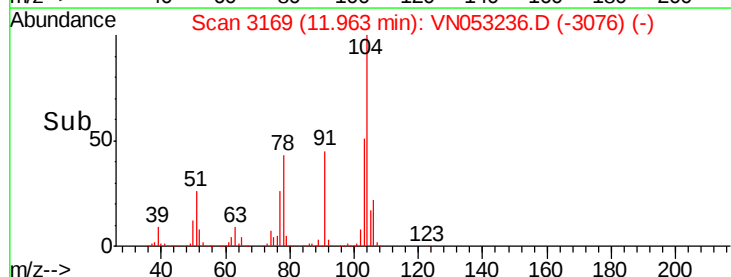
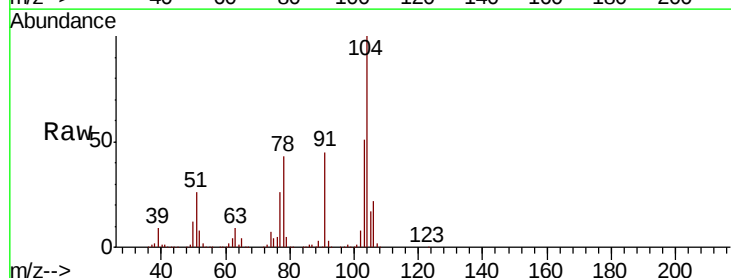
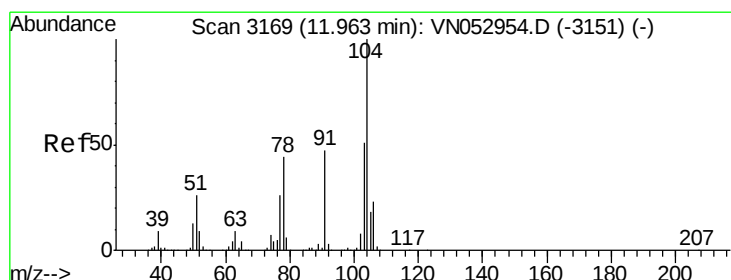
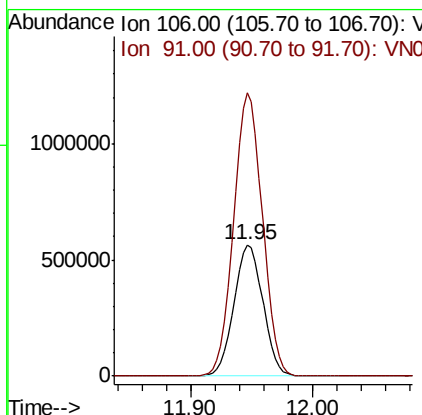
#69
o-Xylene
Concen: 53.959 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tot Ion:106 Resp: 930315
Ion Ratio Lower Upper
106 100
91 214.3 106.6 319.8

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

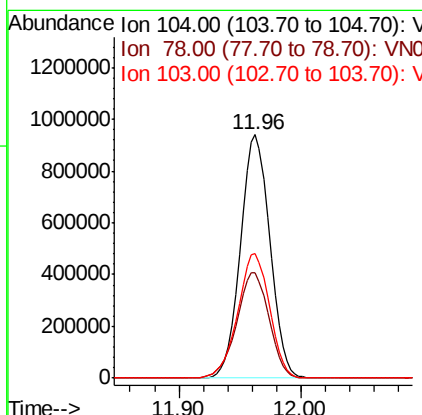
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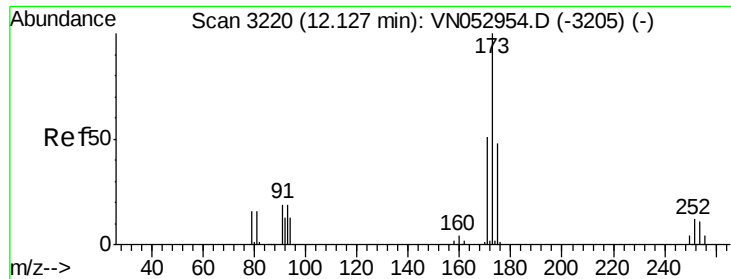
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#70
Styrene
Concen: 55.384 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion:104 Resp: 1557023
Ion Ratio Lower Upper
104 100
78 47.8 38.9 58.3
103 55.6 44.3 66.5





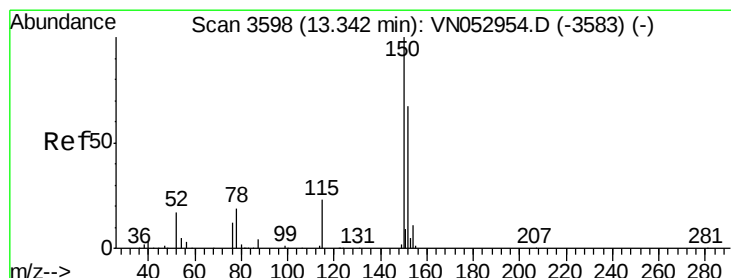
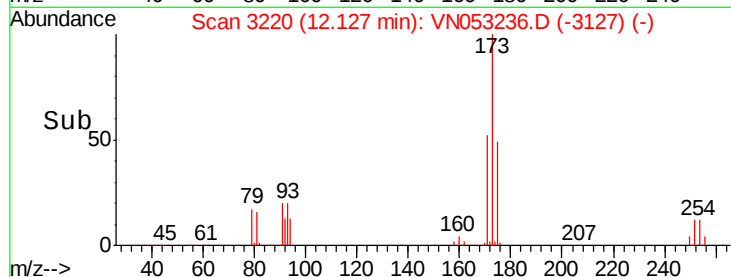
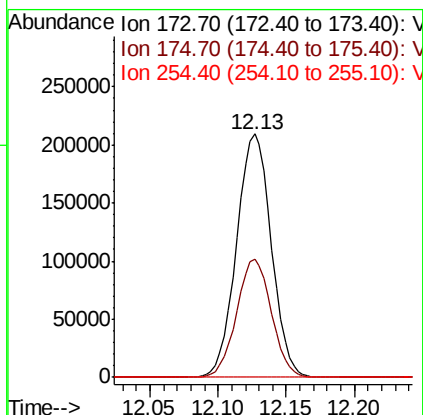
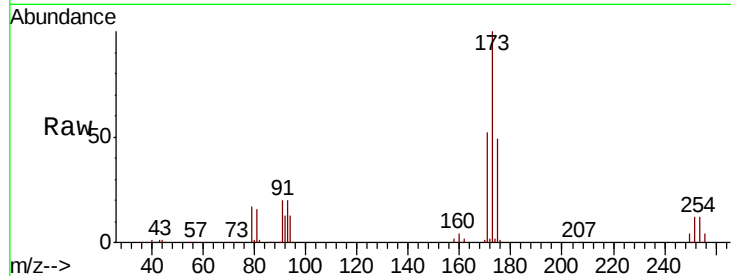
#71
Bromoform
Concen: 53.570 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.9
254	0.1	0.1	0.1

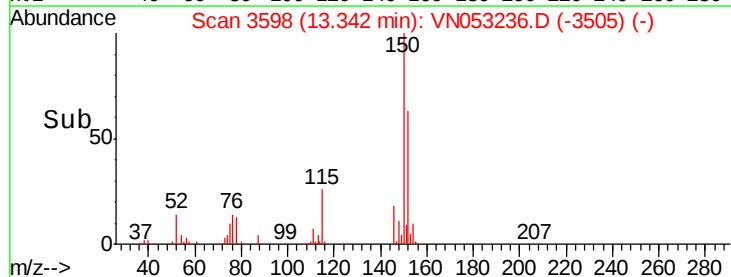
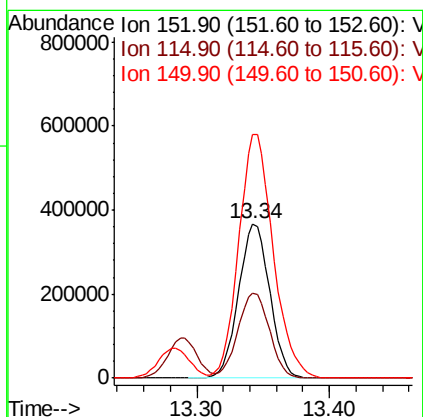
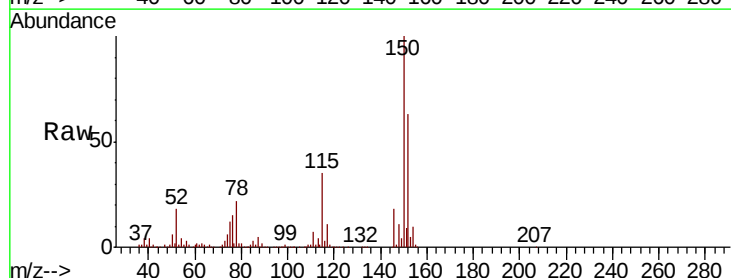
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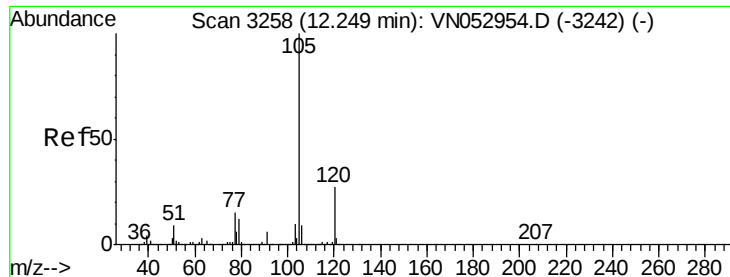
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.3	85.0
150	175.0	0.0	347.8





#73

Isopropylbenzene

Concen: 53.444 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2503043

Ion Ratio Lower Upper

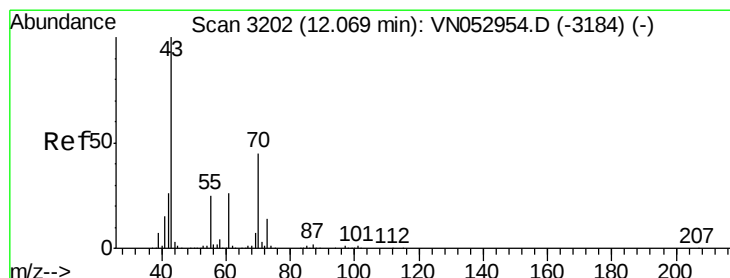
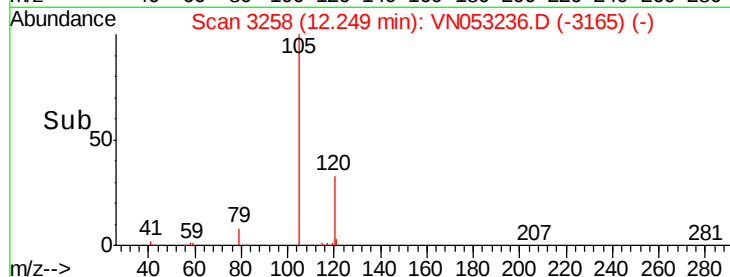
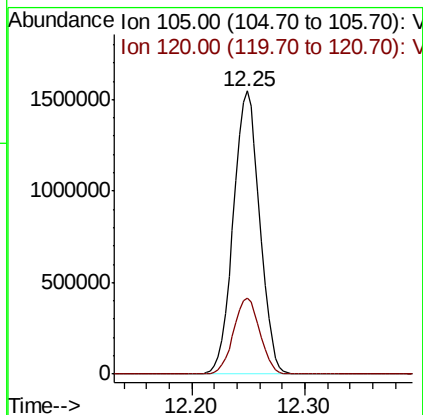
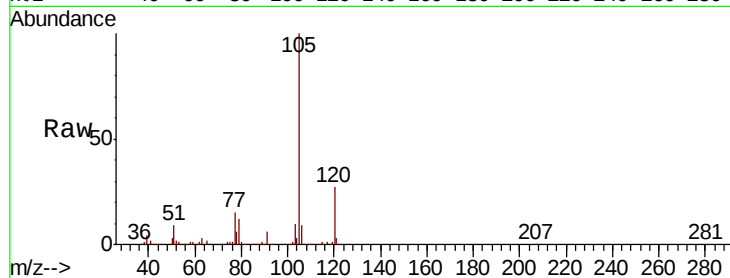
105 100

120 26.9 13.3 39.9

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#74

N-ethyl acetate

Concen: 50.577 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Tgt Ion: 43 Resp: 657656

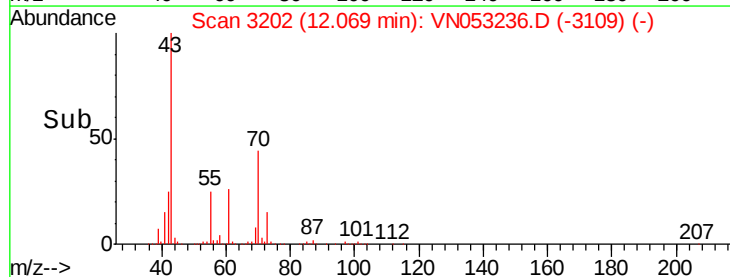
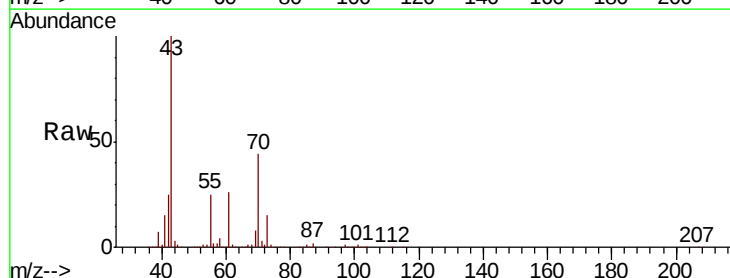
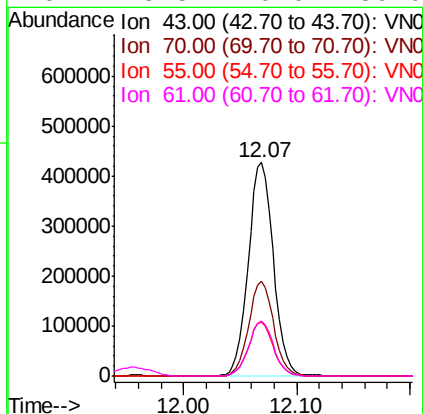
Ion Ratio Lower Upper

43 100

70 44.3 34.2 51.4

55 25.2 20.3 30.5

61 25.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 57.927 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

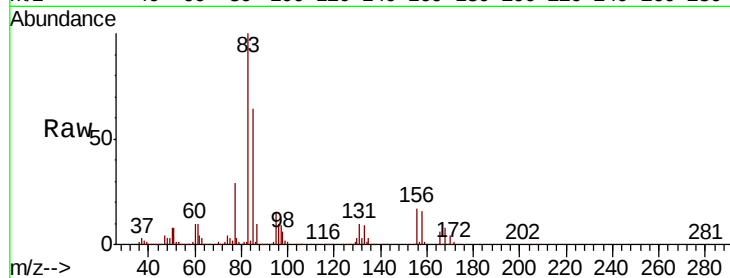
ClientSampleId :

VSTDCCC050

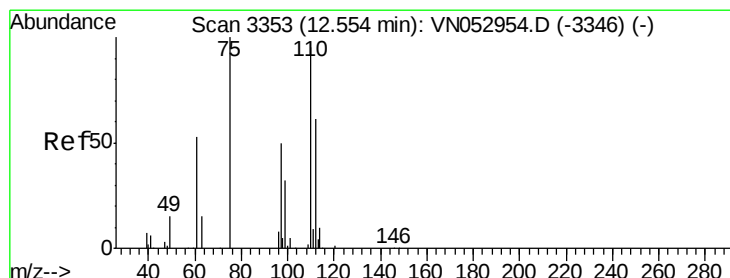
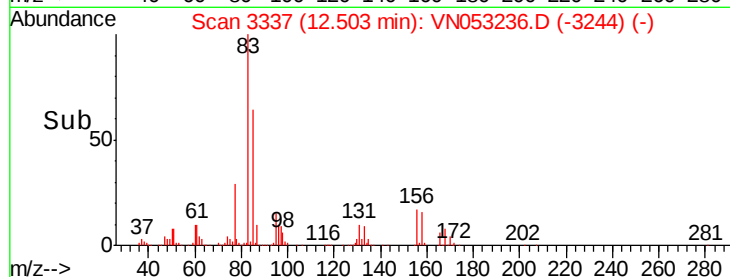
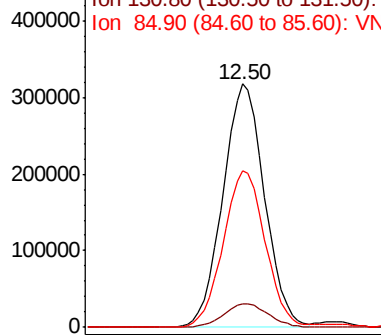
Tot Ion:	83	Resp:	532245
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.7	32.4	97.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN053236.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 48.377 ug/l m

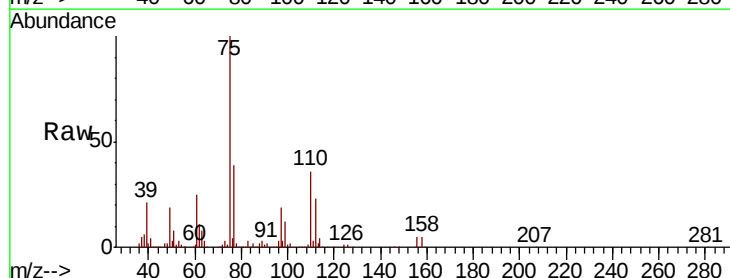
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

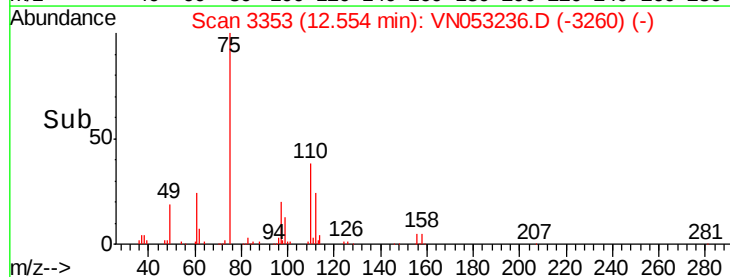
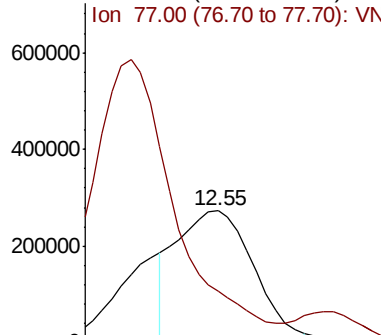
Lab File: VN053236.D

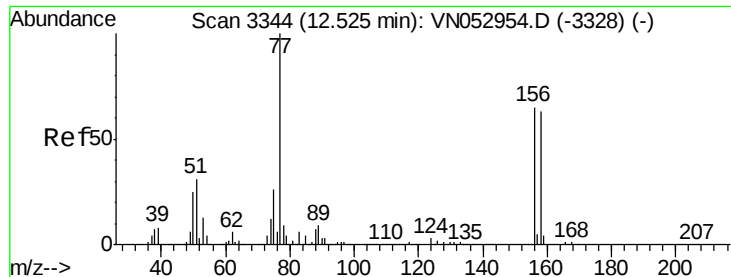
Acq: 2 Jan 2019 9:37

Tgt Ion:	75	Resp:	487481
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053236.D (-3346) (-)





#77

Bromobenzene

Concen: 53.672 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

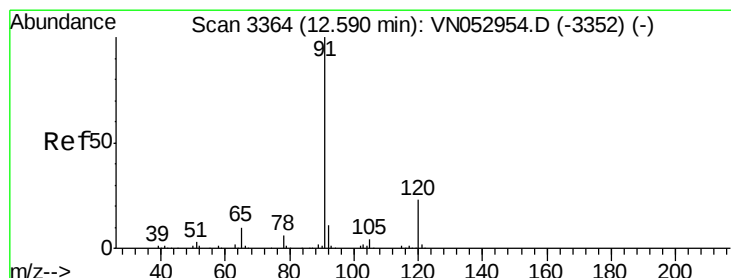
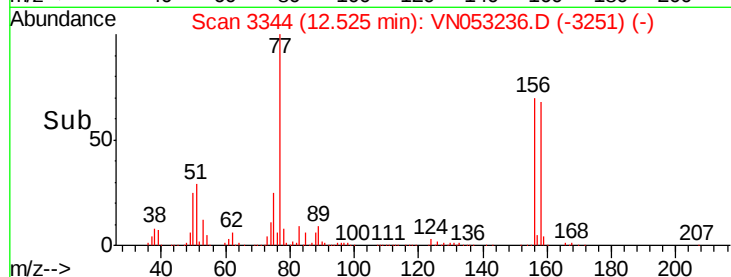
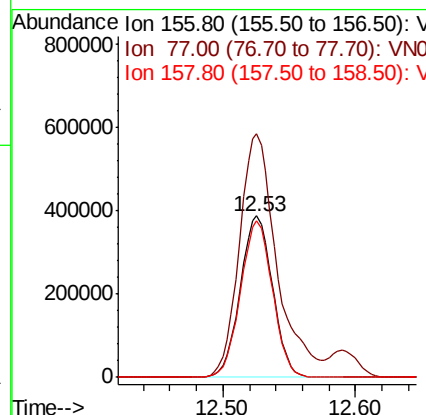
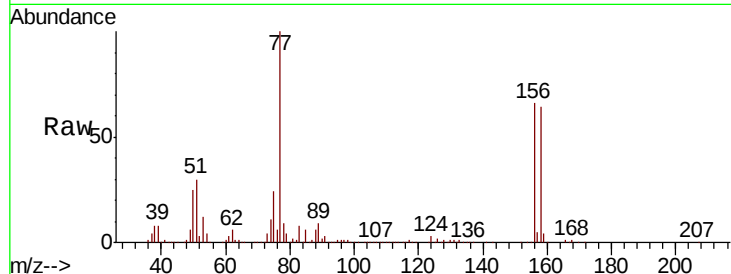
ClientSampled :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		653426		
77	175.7	91.3	273.8		
158	96.3	49.0	147.2		

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#78

n-propylbenzene

Concen: 53.914 ug/l

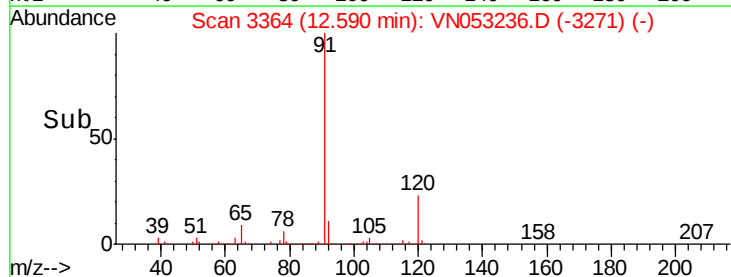
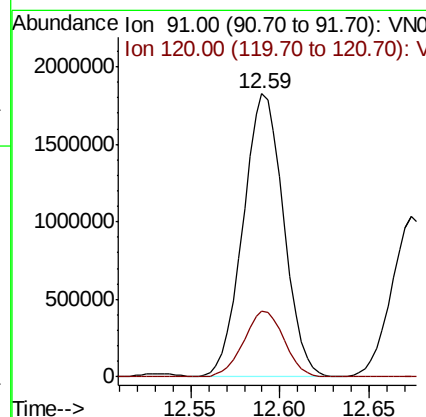
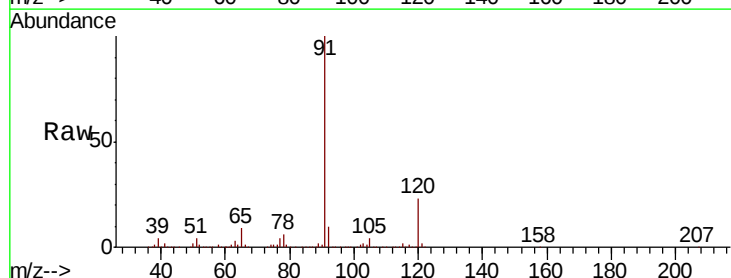
RT: 12.59 min Scan# 3364

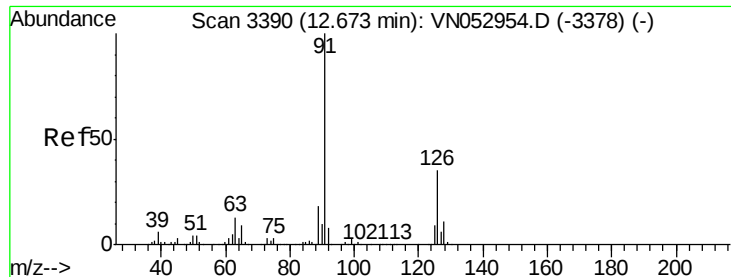
Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		2875803		
120	23.3	11.5	34.5		





#79

2-Chlorotoluene

Concen: 50.674 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1675426

Ion Ratio Lower Upper

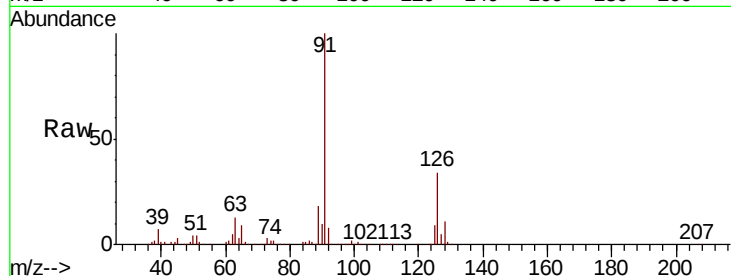
91 100

126 35.1 17.4 52.3

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Abundance Ion 91.00 (90.70 to 91.70): VN053236.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN053236.D (-3297) (-)

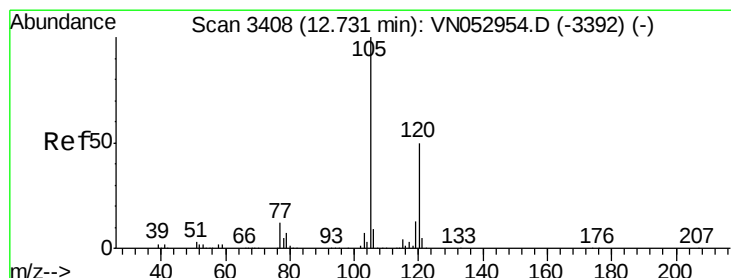
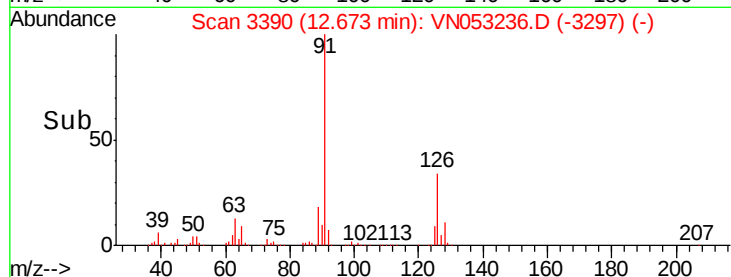
1500000

1000000

500000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 52.672 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053236.D

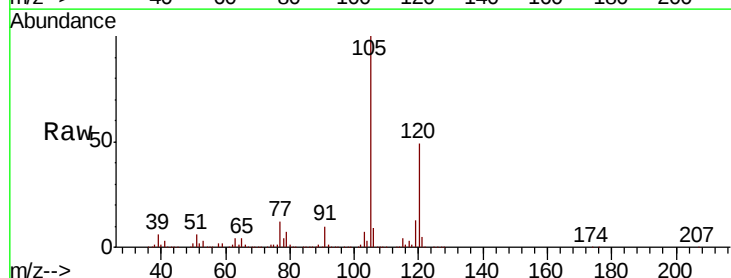
Acq: 2 Jan 2019 9:37

Tgt Ion: 105 Resp: 2010719

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN053236.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN053236.D (-3315) (-)

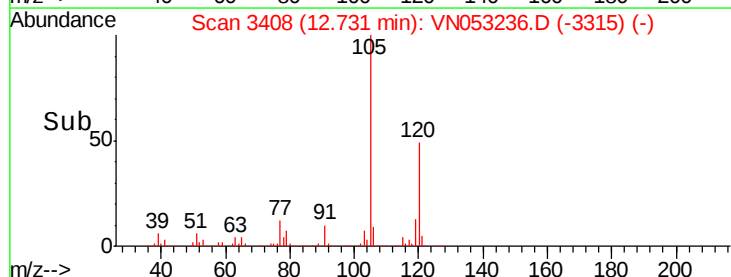
1500000

1000000

500000

0

Time--> 12.65 12.70 12.75 12.80





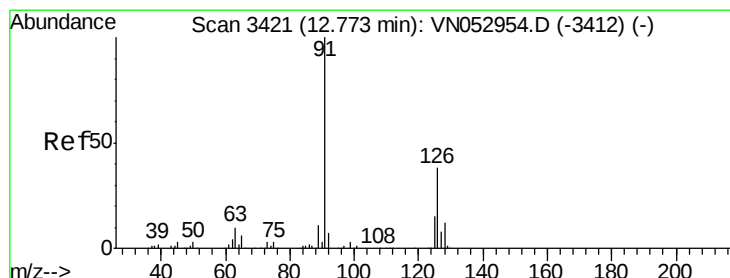
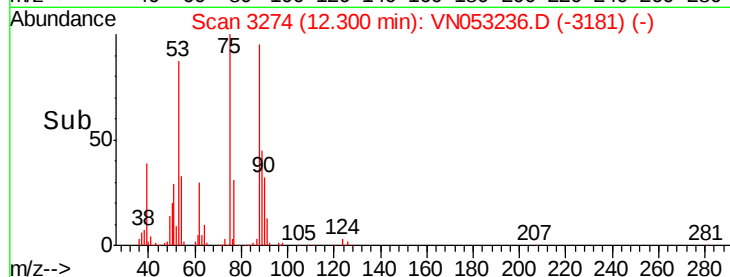
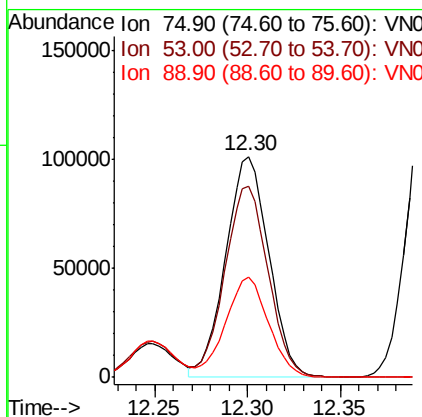
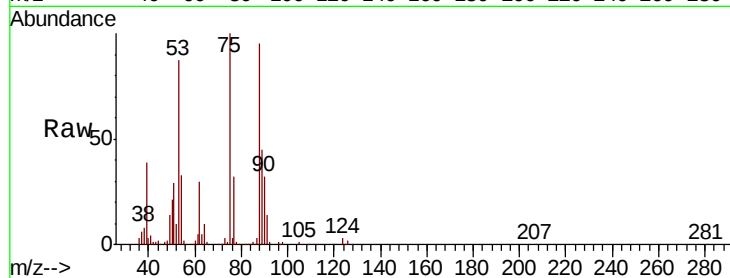
#81
trans-1,4-Dichloro-2-butene
Concen: 52.639 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.2	74.7	112.1
89	45.2	36.1	54.1

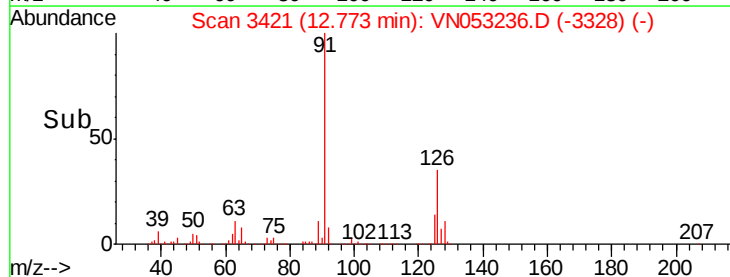
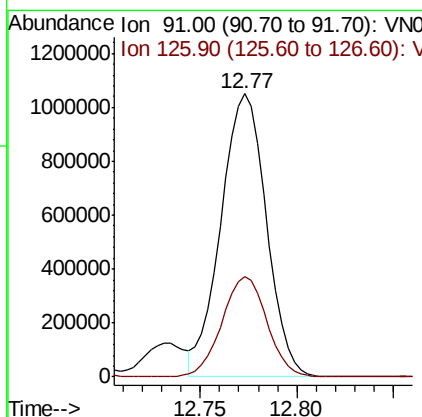
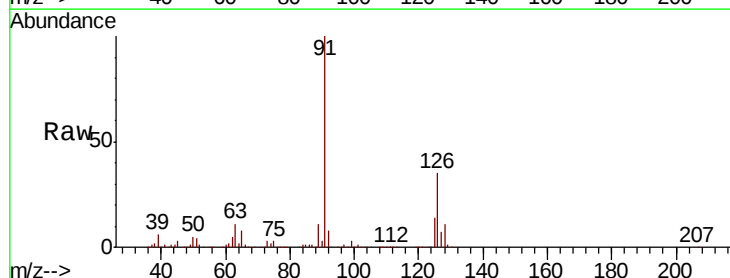
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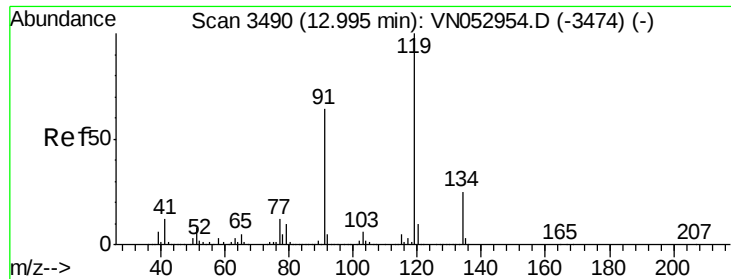
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#82
4-Chlorotoluene
Concen: 53.003 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.3	51.7





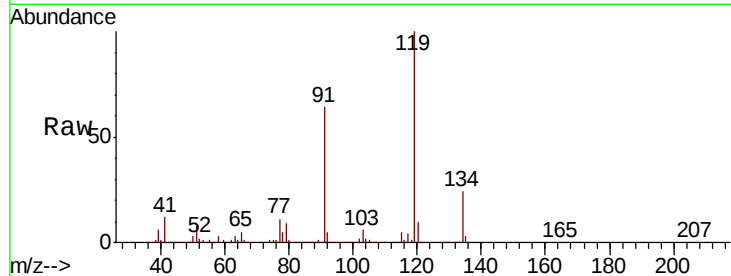
#83
tert-Butylbenzene
Concen: 53.309 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

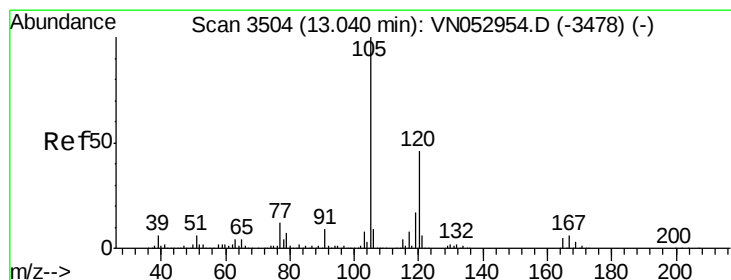
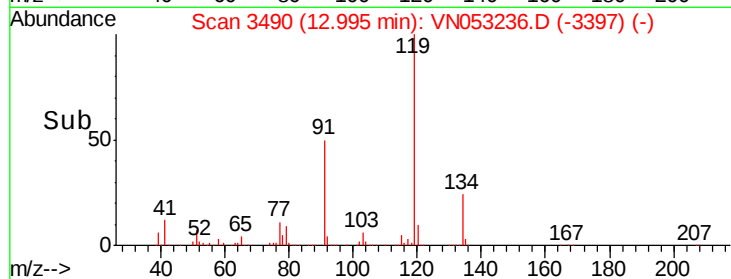
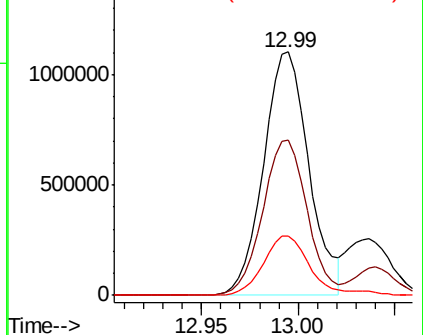
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	31.9	95.5
134	25.4	12.8	38.4

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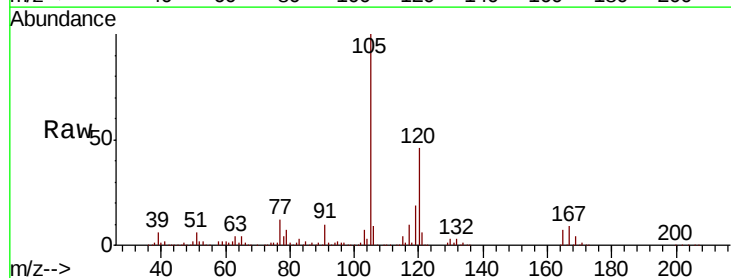


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

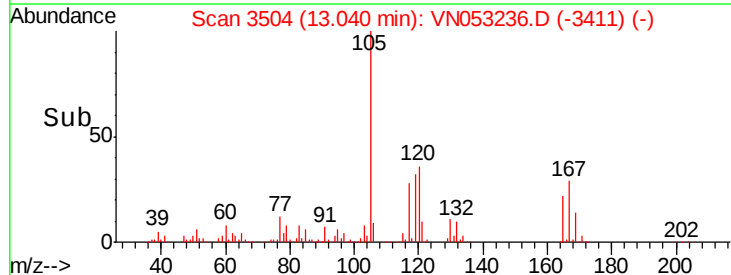
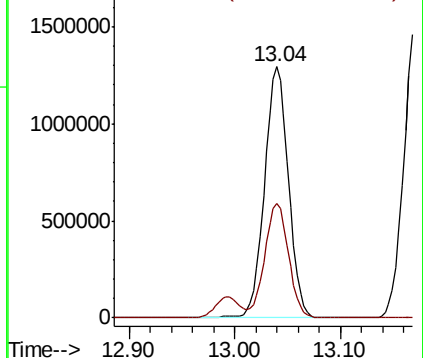


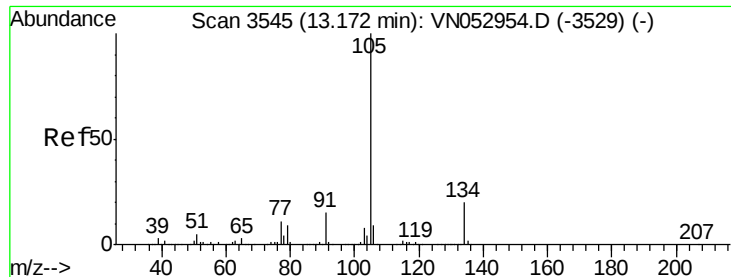
#84
1,2,4-Trimethylbenzene
Concen: 53.114 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.9	68.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.748 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2408774

Ion Ratio Lower Upper

105 100

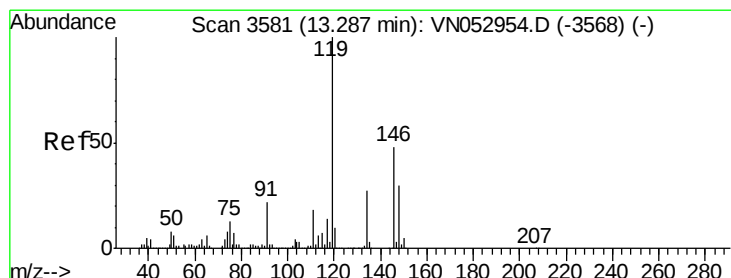
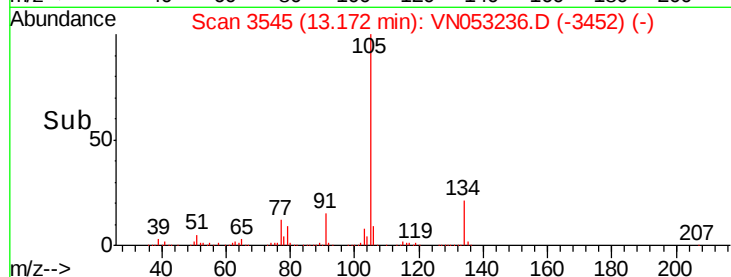
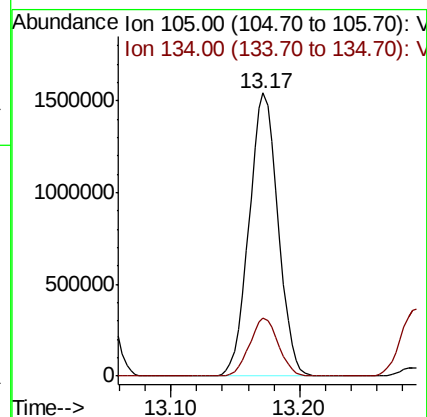
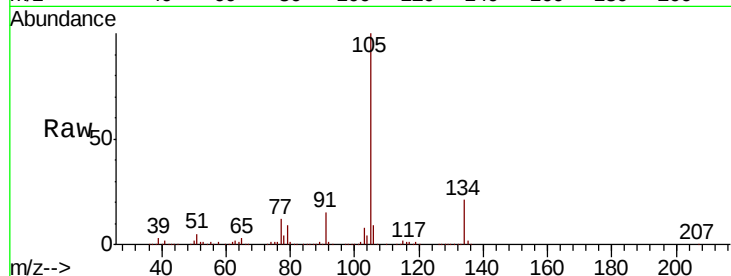
134 20.4 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 52.892 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

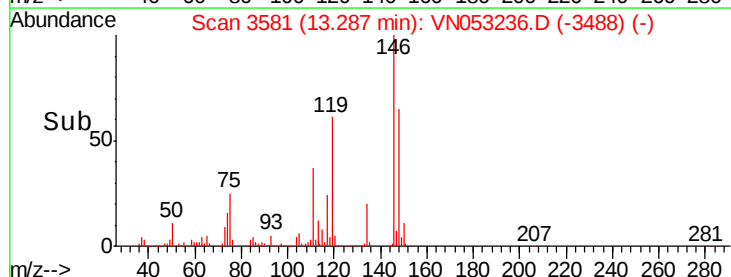
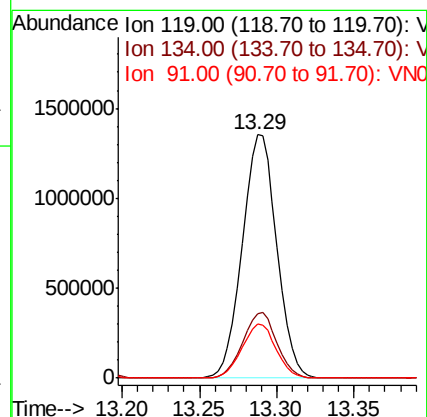
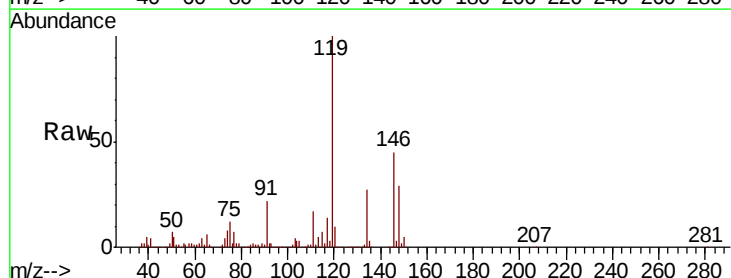
Tgt Ion:119 Resp: 2087084

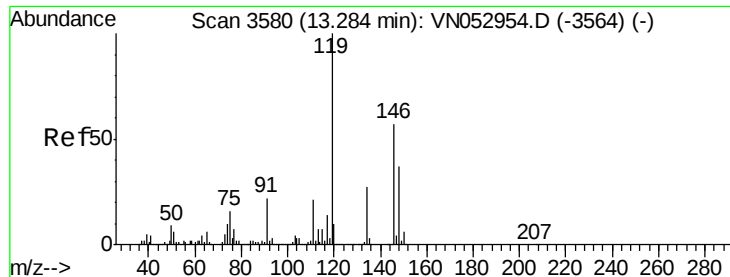
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 22.0 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 52.437 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1129871

Ion Ratio Lower Upper

146 100

111 37.5 19.1 57.1

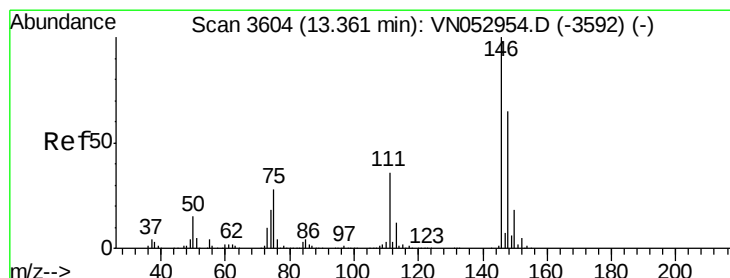
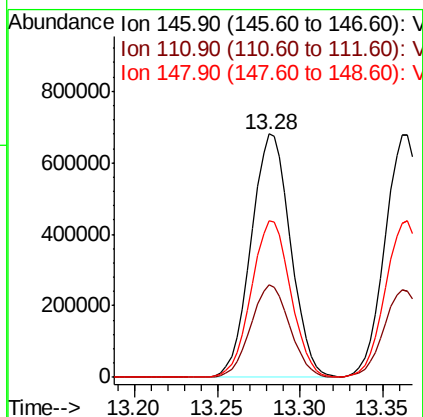
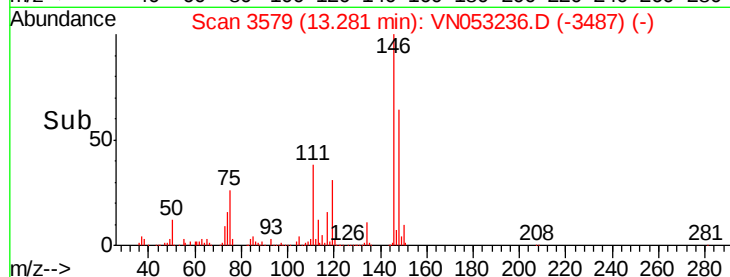
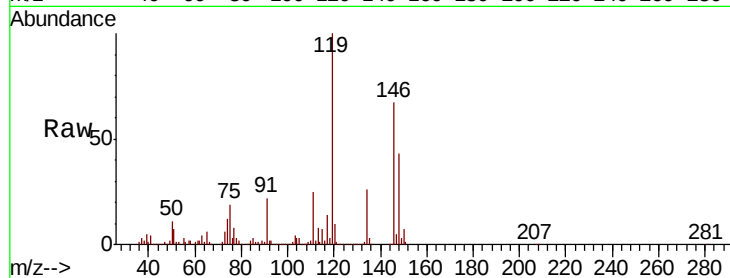
148 64.1 32.0 96.0

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#88

1,4-Dichlorobenzene

Concen: 51.059 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

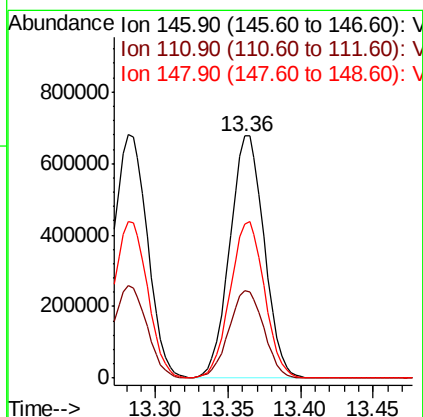
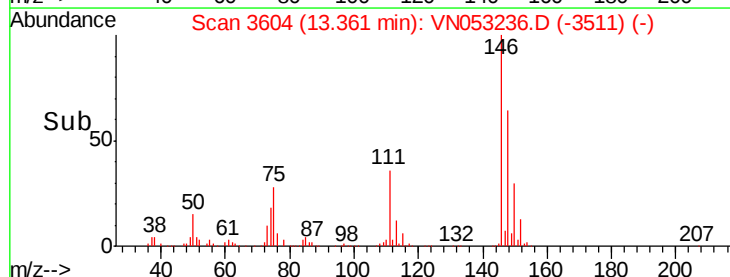
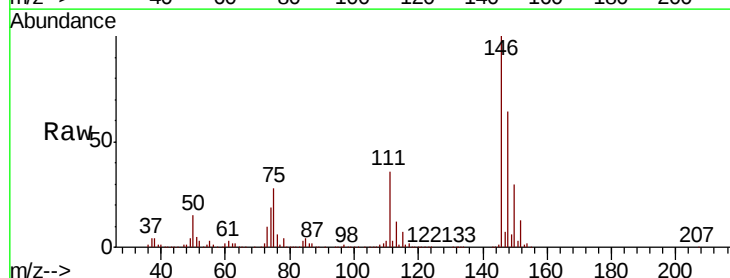
Tgt Ion:146 Resp: 1114138

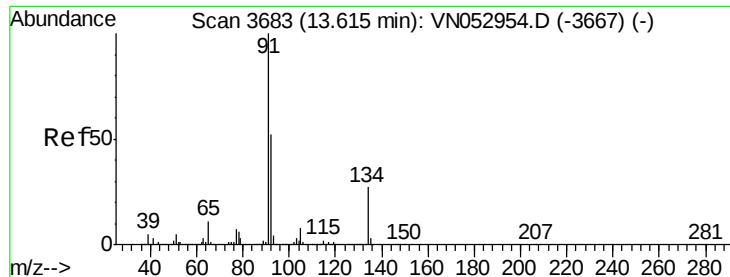
Ion Ratio Lower Upper

146 100

111 36.7 18.6 55.8

148 64.4 32.1 96.5





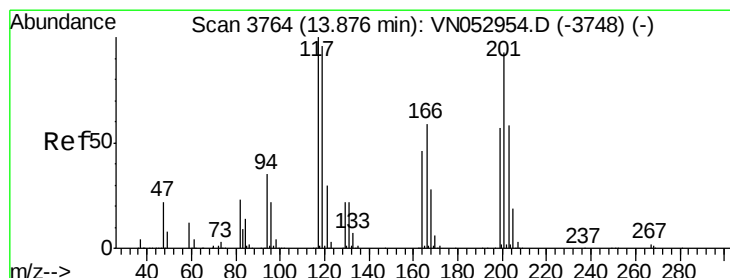
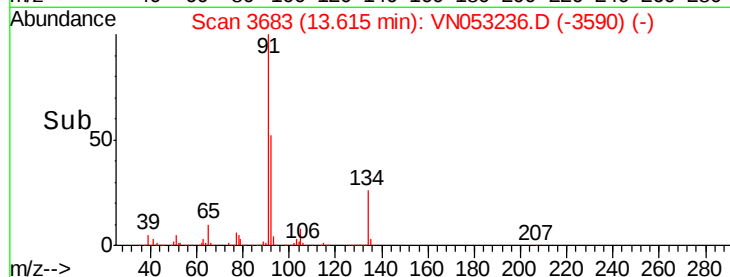
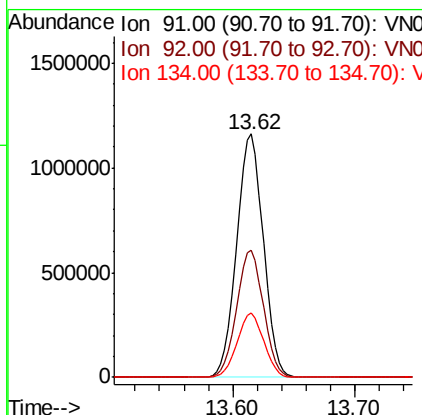
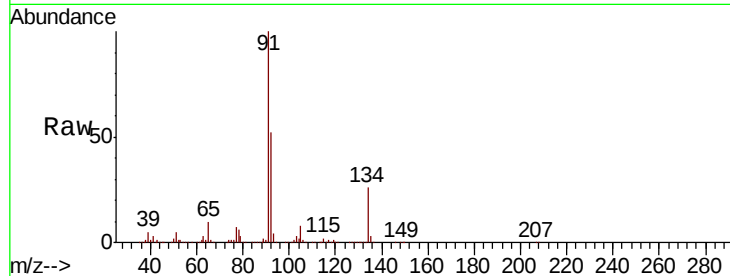
#89
n-Butylbenzene
Concen: 51.631 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1752732
Ion Ratio Lower Upper
91 100
92 52.4 26.3 78.9
134 26.4 13.3 39.8

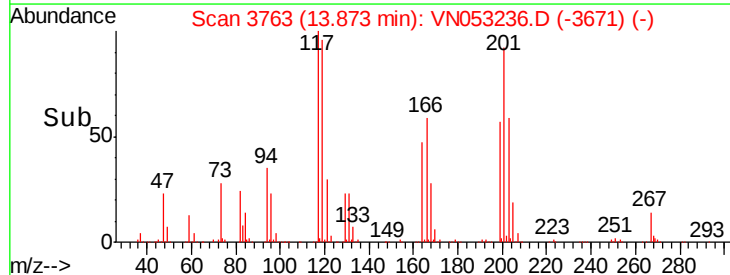
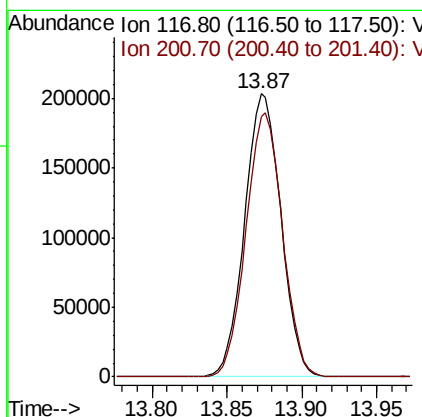
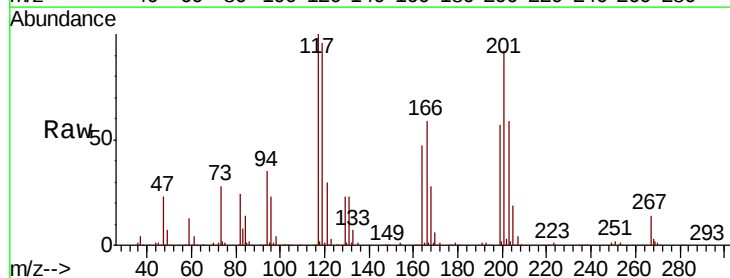
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#90
Hexachloroethane
Concen: 56.699 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion: 117 Resp: 343335
Ion Ratio Lower Upper
117 100
201 93.7 45.7 137.1





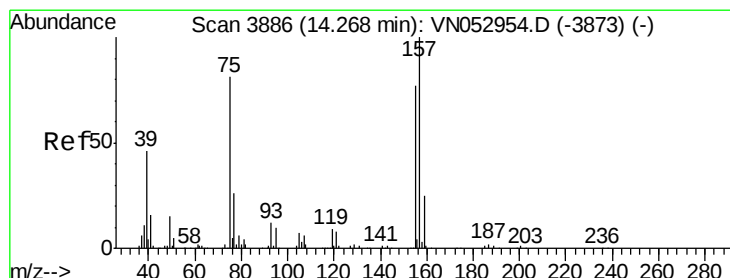
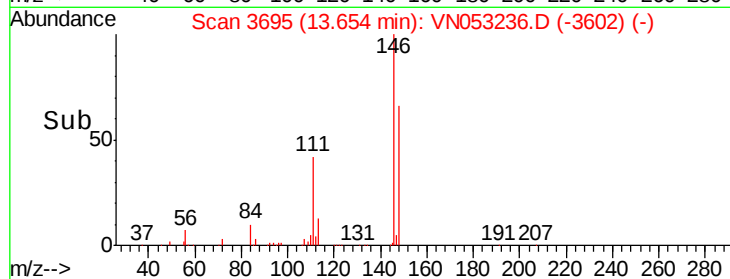
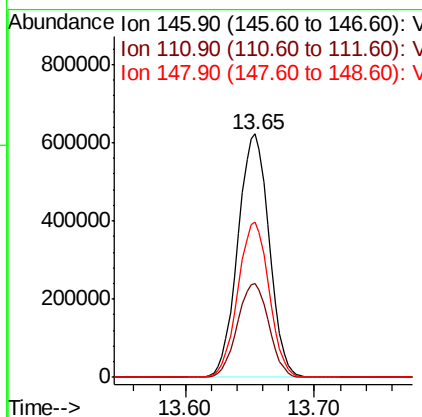
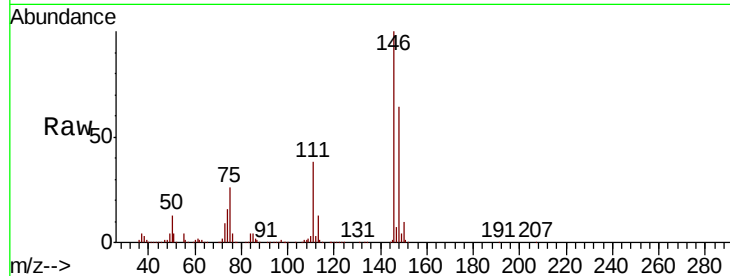
#91
 1,2-Dichlorobenzene
 Concen: 51.617 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	63.7	32.0	96.0

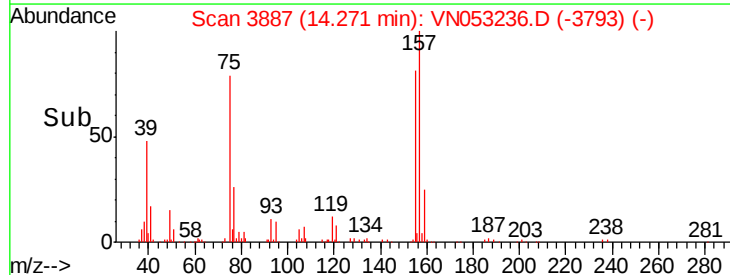
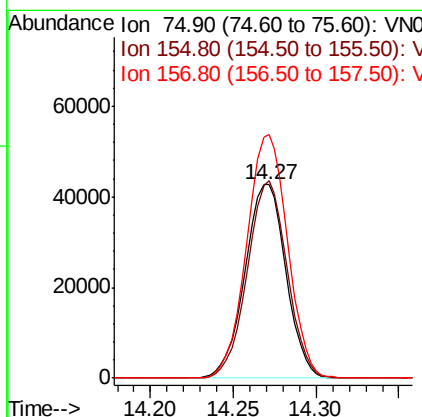
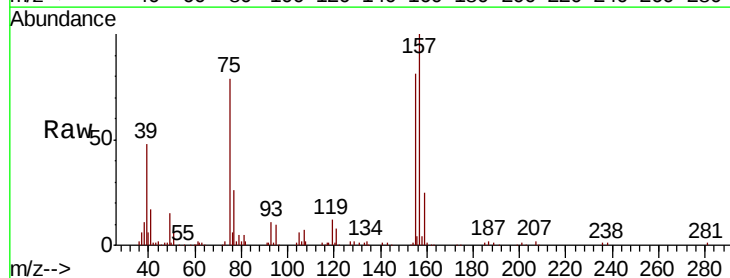
Manual Integrations
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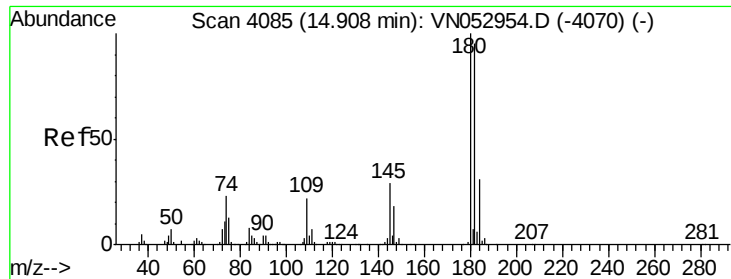
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.370 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.7	48.2	144.6
157	125.3	61.2	183.5





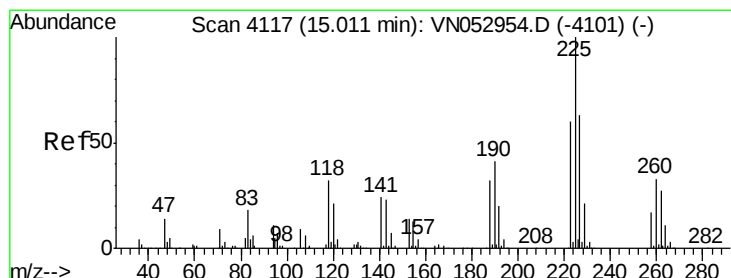
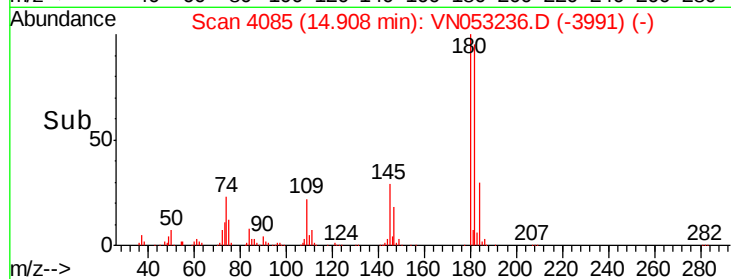
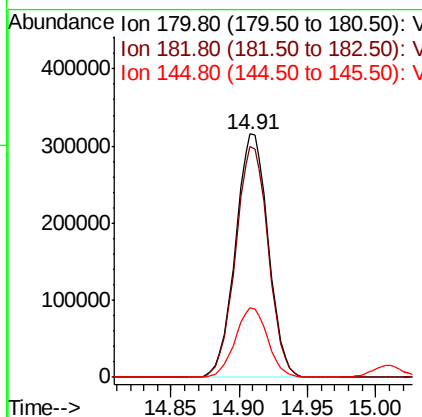
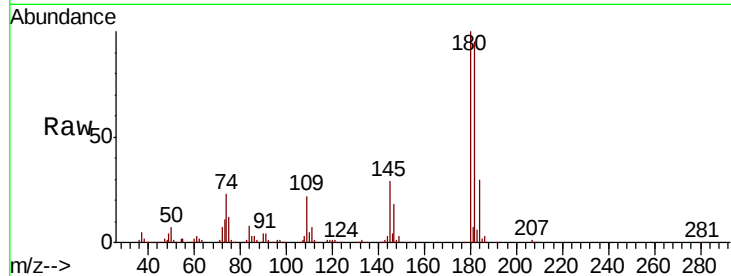
#93
 1,2,4-Trichlorobenzene
 Concen: 48.849 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	524680		
182	94.8		47.8	143.3
145	28.4		14.2	42.6

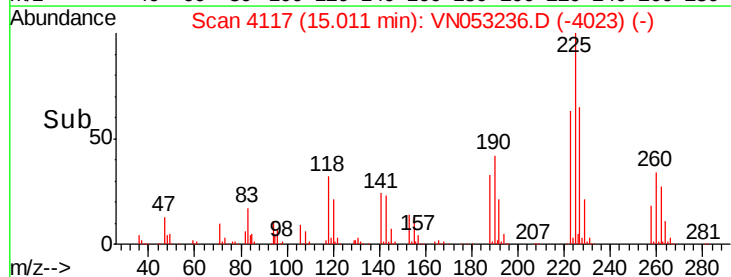
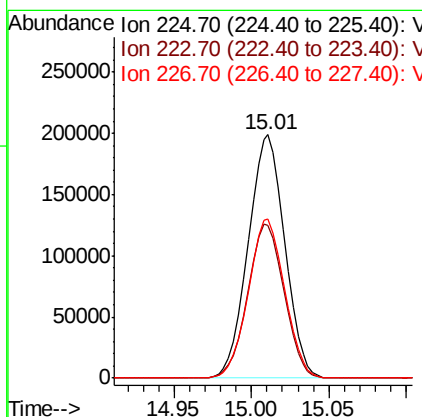
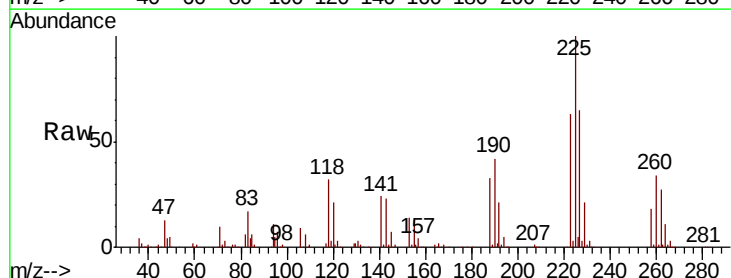
Manual Integrations
 APPROVED

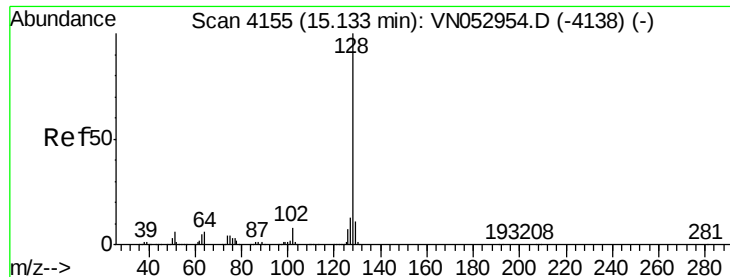
MMDadoda
 1/3/2019 9:55:31 AM



#94
 Hexachlorobutadiene
 Concen: 59.492 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	327919		
223	62.9		31.5	94.5
227	64.8		31.9	95.7





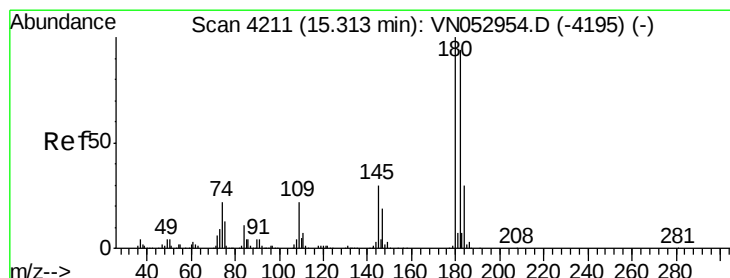
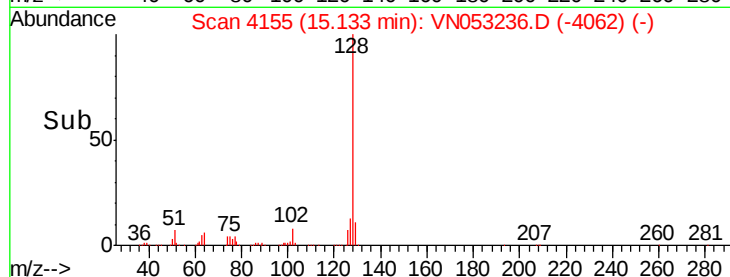
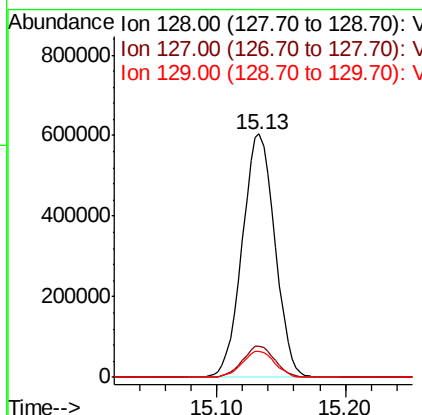
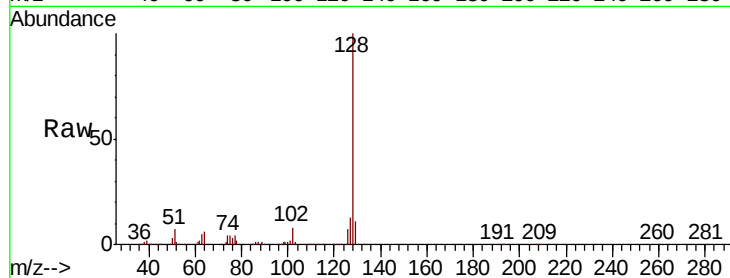
#95
Naphthalene
Concen: 45.239 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/3/2019 9:55:31 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.991 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.7
145	29.7	15.0	45.0

