

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061119\
 Data File : VN056209.D
 Acq On : 11 Jun 2019 9:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/12/2019 11:11:21 AM

Quant Time: Jun 12 06:41:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	308343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	412388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	382677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174123	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	146520	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
35) Dibromofluoromethane	7.59	113	134483	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
50) Toluene-d8	10.09	98	494232	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.40	95	174121	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	149038	44.040	ug/l	99
3) Chloromethane	2.06	50	152604	45.656	ug/l	100
4) Vinyl Chloride	2.18	62	152665	45.534	ug/l	99
5) Bromomethane	2.53	94	95540	45.110	ug/l	100
6) Chloroethane	2.68	64	86701	44.601	ug/l	96
7) Trichlorofluoromethane	3.00	101	199813	46.683	ug/l	99
8) Diethyl Ether	3.40	74	75990	43.172	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	129917	49.967	ug/l	99
10) Methyl Iodide	3.94	142	178475	43.195	ug/l	99
11) Tert butyl alcohol	4.81	59	117985	221.451	ug/l	99
12) 1,1-Dichloroethene	3.72	96	120824	46.677	ug/l	97
13) Acrolein	3.60	56	40932	266.383	ug/l	98
14) Allyl chloride	4.31	41	193331	47.300	ug/l	99
15) Acrylonitrile	4.99	53	334131	257.630	ug/l	99
16) Acetone	3.82	43	357578	244.204	ug/l	100
17) Carbon Disulfide	4.04	76	274193	44.241	ug/l	100
18) Methyl Acetate	4.32	43	149380	51.959	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	390753	47.359	ug/l	99
20) Methylene Chloride	4.54	84	141775	46.996	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	128689	46.400	ug/l	98
22) Diisopropyl ether	5.95	45	402534	47.642	ug/l	99
23) Vinyl Acetate	5.89	43	1637802	246.147	ug/l	99
24) 1,1-Dichloroethane	5.84	63	232171	47.636	ug/l	99
25) 2-Butanone	6.84	43	476047	257.316	ug/l	99
26) 2,2-Dichloropropane	6.82	77	171239	45.026	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	153556	47.101	ug/l	98
28) Bromochloromethane	7.19	49	113160	49.097	ug/l	98
29) Tetrahydrofuran	7.21	42	282853	247.338	ug/l	99
30) Chloroform	7.37	83	239326	48.813	ug/l	99
31) Cyclohexane	7.65	56	209861	43.198	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	200684	49.016	ug/l	98
36) 1,1-Dichloropropene	7.79	75	175737	49.560	ug/l	99
37) Ethyl Acetate	6.93	43	173119	54.870	ug/l	99
38) Carbon Tetrachloride	7.77	117	172262	52.693	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	219152	49.613	ug/l	98
40) Benzene	8.04	78	546966	50.787	ug/l	100
41) Methacrylonitrile	7.17	41	85947	59.208	ug/l	99
42) 1,2-Dichloroethane	8.12	62	175290	50.599	ug/l	100
43) Isopropyl Acetate	8.17	43	265756	51.980	ug/l #	92
44) Trichloroethene	8.83	130	158616	51.254	ug/l	99
45) 1,2-Dichloropropane	9.12	63	145600	52.780	ug/l	98
46) Dibromomethane	9.21	93	95234	52.792	ug/l	97
47) Bromodichloromethane	9.40	83	182325	55.766	ug/l	99
48) Methyl methacrylate	9.20	41	133745	53.471	ug/l	97
49) 1,4-Dioxane	9.20	88	58043	1074.887	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	867651	271.378	ug/l	99
52) Toluene	10.16	92	346102	51.644	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	183099	47.874	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	214066	54.470	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	142519	53.687	ug/l	99
56) Ethyl methacrylate	10.43	69	207919	53.687	ug/l	98
57) 1,3-Dichloropropane	10.71	76	227699	52.763	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	346646	227.194	ug/l	100
59) 2-Hexanone	10.75	43	627974	270.999	ug/l	99
60) Dibromochloromethane	10.90	129	155935	53.100	ug/l	100
61) 1,2-Dibromoethane	11.00	107	145787	53.720	ug/l	98
64) Tetrachloroethene	10.63	164	161750	48.830	ug/l	98
65) Chlorobenzene	11.43	112	380820	50.002	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	141445	53.787	ug/l	99
67) Ethyl Benzene	11.51	91	659613	49.808	ug/l	98
68) m/p-Xylenes	11.62	106	508154	100.446	ug/l	99
69) o-Xylene	11.95	106	248489	49.934	ug/l	98
70) Styrene	11.96	104	416427	52.668	ug/l	99
71) Bromoform	12.13	173	116044	52.420	ug/l #	99
73) Isopropylbenzene	12.25	105	657050	53.088	ug/l	100
74) N-amyl acetate	12.07	43	220290	47.461	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	195441	48.351	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	171543m	53.541	ug/l	
77) Bromobenzene	12.53	156	181358	48.648	ug/l	94
78) n-propylbenzene	12.59	91	711741	48.317	ug/l	99
79) 2-Chlorotoluene	12.67	91	431098	52.896	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	545463	46.592	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	48541	50.454	ug/l	91
82) 4-Chlorotoluene	12.77	91	416902	48.375	ug/l	100
83) tert-Butylbenzene	12.99	119	480525	53.068	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	534493	48.144	ug/l	99
85) sec-Butylbenzene	13.17	105	626445	48.020	ug/l	99
86) p-Isopropyltoluene	13.29	119	570199	48.839	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	291900	50.591	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	277379	49.976	ug/l	99
89) n-Butylbenzene	13.61	91	426407	49.303	ug/l	99
90) Hexachloroethane	13.87	117	91600	52.024	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	283840	48.726	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30579	52.891	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	136816	43.251	ug/l	98
94) Hexachlorobutadiene	15.01	225	112818	56.749	ug/l	98
95) Naphthalene	15.13	128	338056	41.316	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	150795	46.331	ug/l	99

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

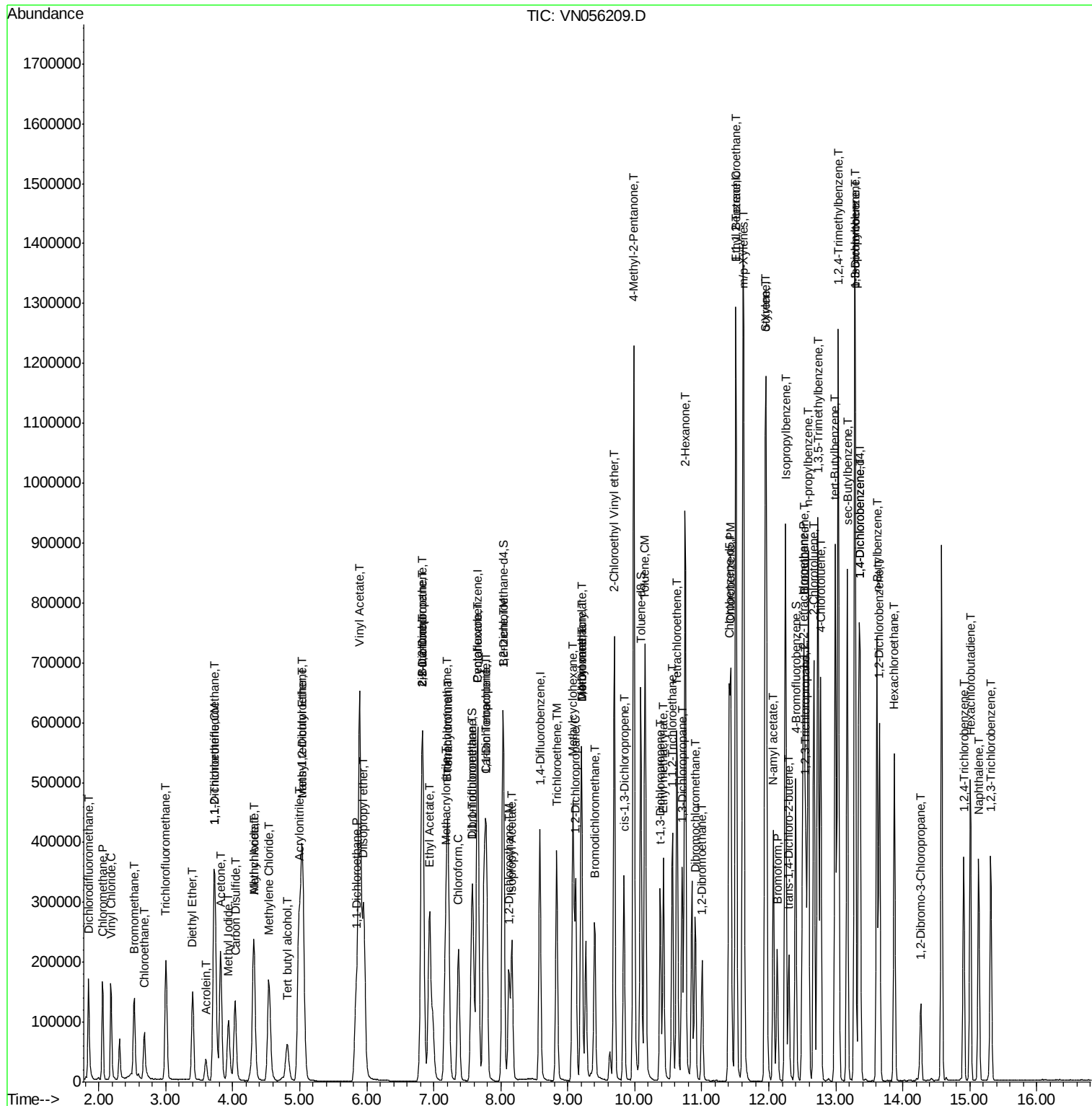
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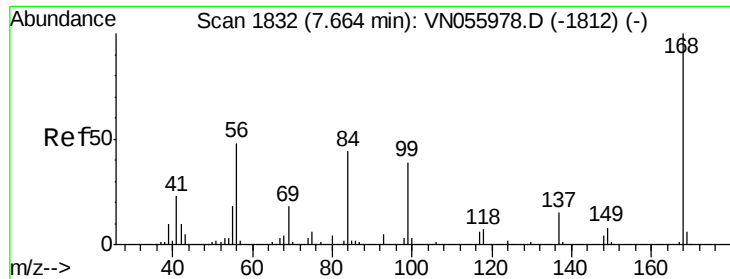
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Tot Ion: 168 Resp: 308343

Ion Ratio Lower Upper

168 100

99 43.7 37.2 55.8

Instrument :

MSVOA_N

ClientSampleId :

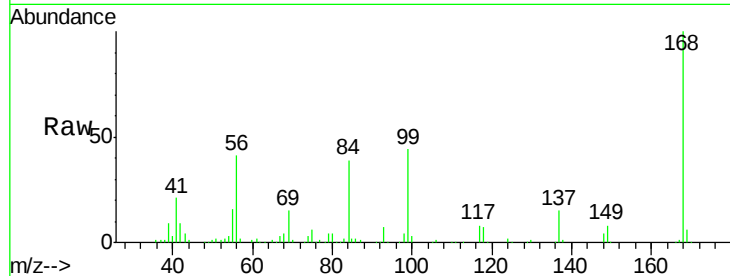
VSTDCCC050

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

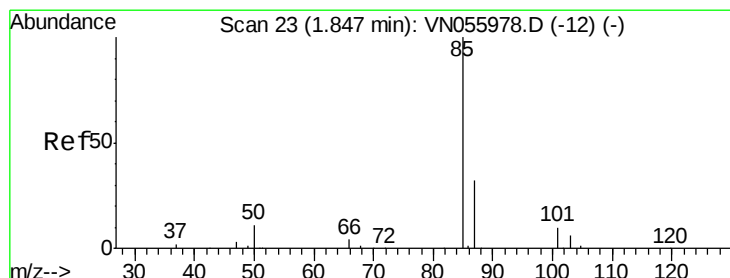
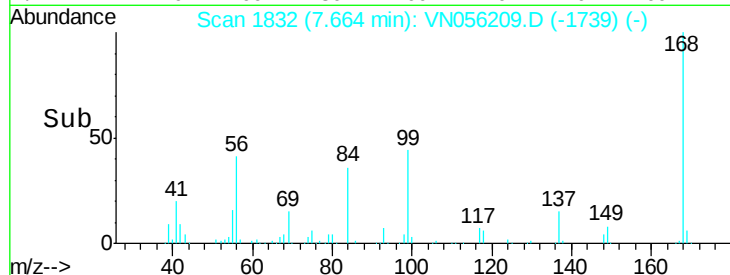
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 44.040 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056209.D

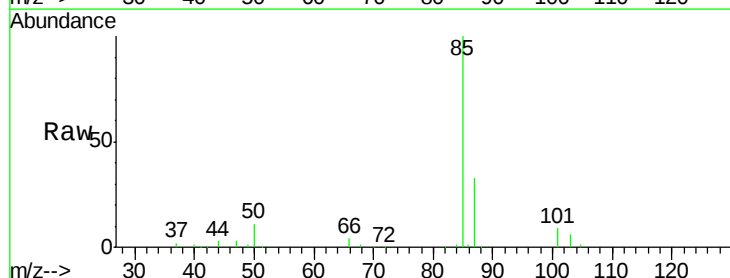
Acq: 11 Jun 2019 9:14

Tgt Ion: 85 Resp: 149038

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

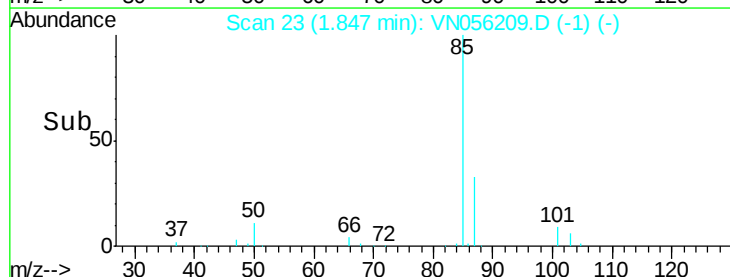
60000

40000

20000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 45.656 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 152604

Ion Ratio Lower Upper

50 100

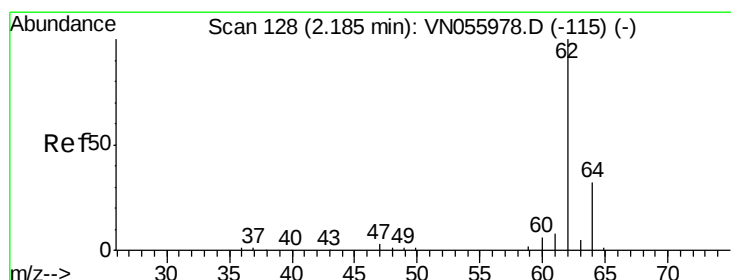
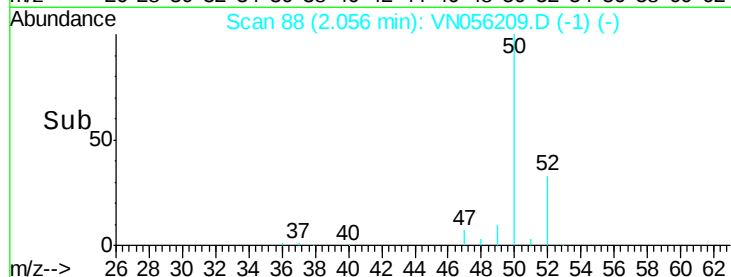
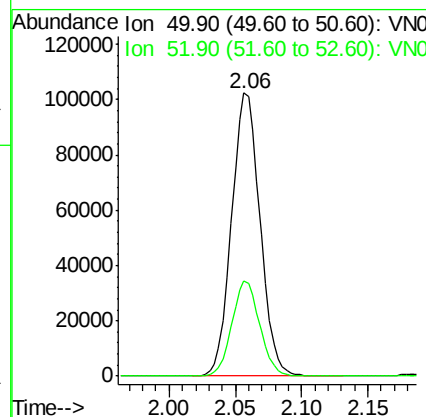
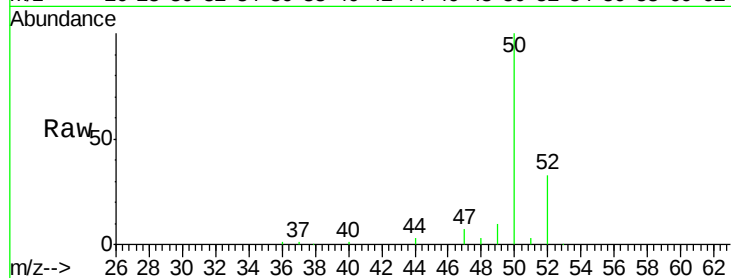
52 33.5 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.534 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056209.D

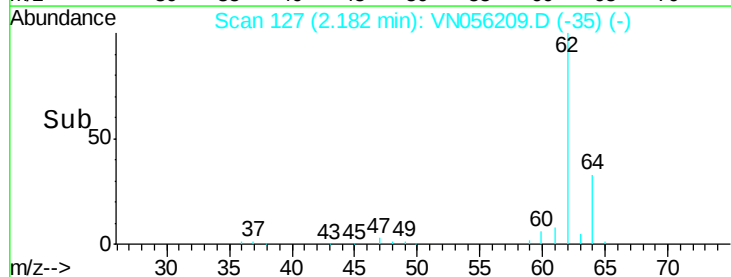
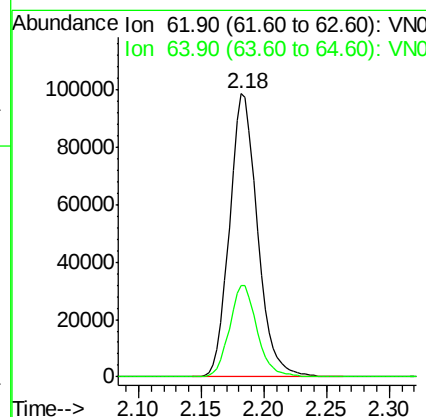
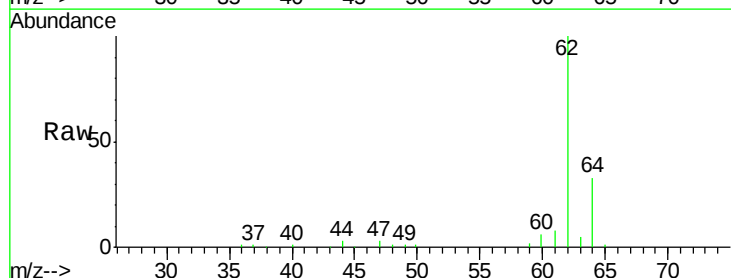
Acq: 11 Jun 2019 9:14

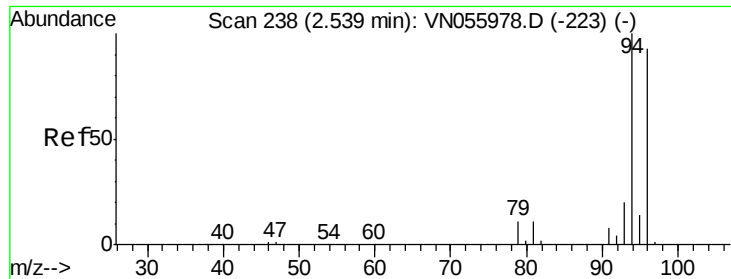
Tgt Ion: 62 Resp: 152665

Ion Ratio Lower Upper

62 100

64 32.5 25.6 38.4





#5

Bromomethane

Concen: 45.110 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 95540

Ion Ratio Lower Upper

94 100

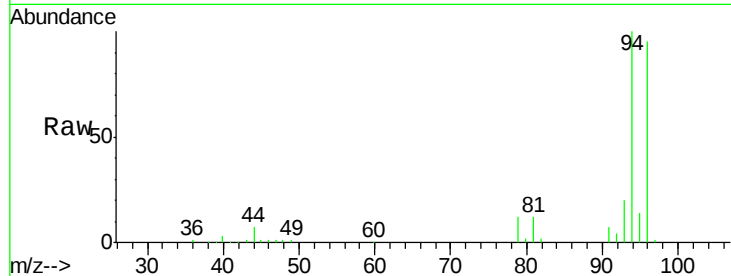
96 94.8 75.5 113.3

Manual Integrations

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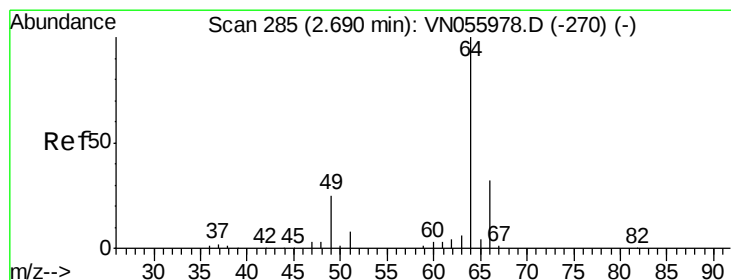
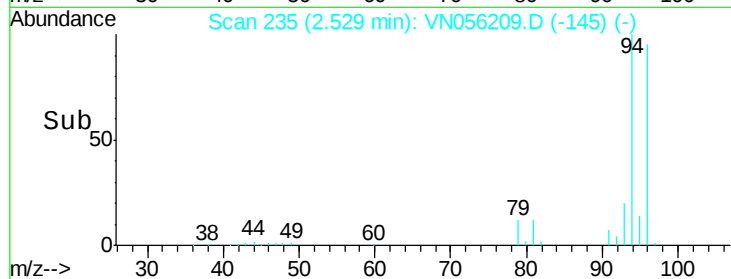
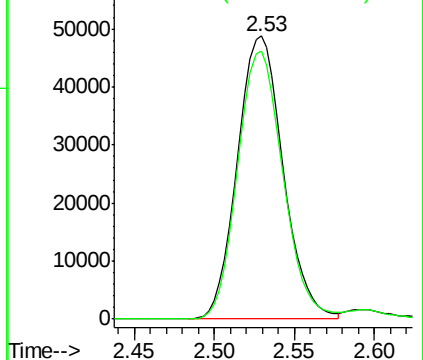
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 44.601 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.01 min

Lab File: VN056209.D

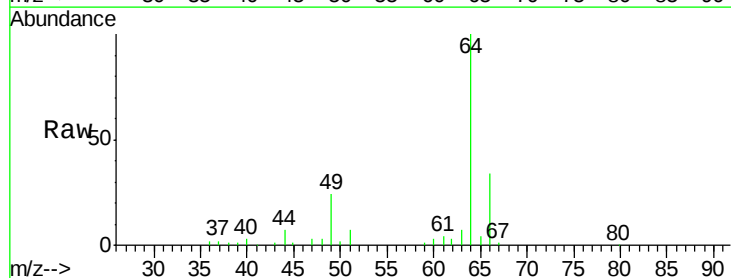
Acq: 11 Jun 2019 9:14

Tgt Ion: 64 Resp: 86701

Ion Ratio Lower Upper

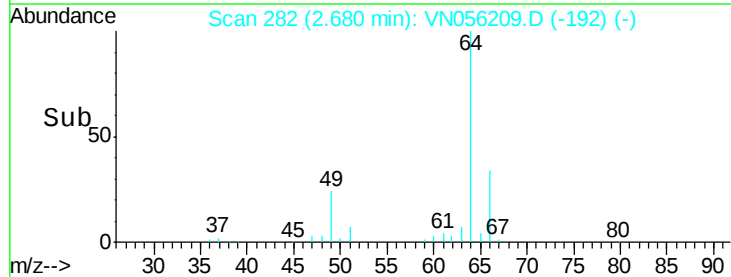
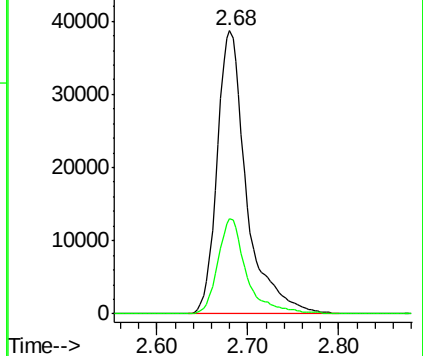
64 100

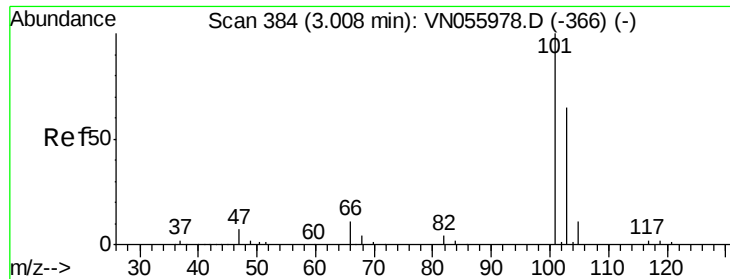
66 33.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

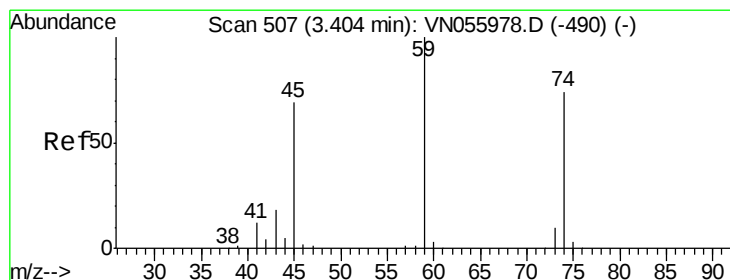
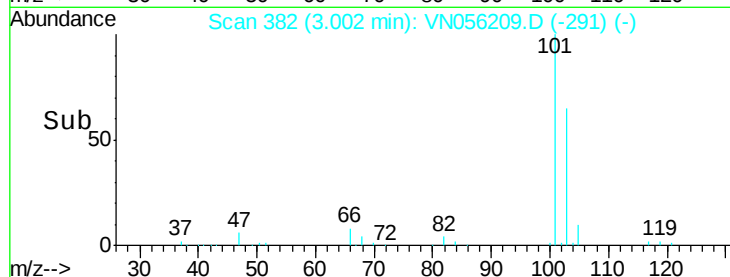
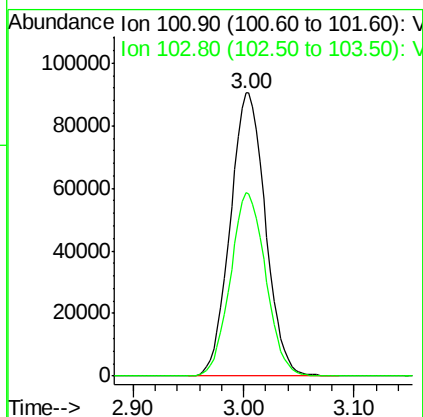
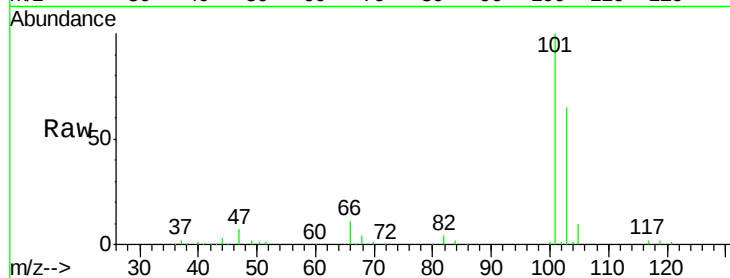
Trichlorofluoromethane
Concen: 46.683 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.01 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.2	76.8

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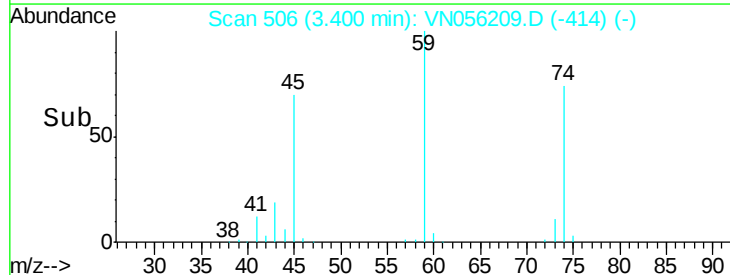
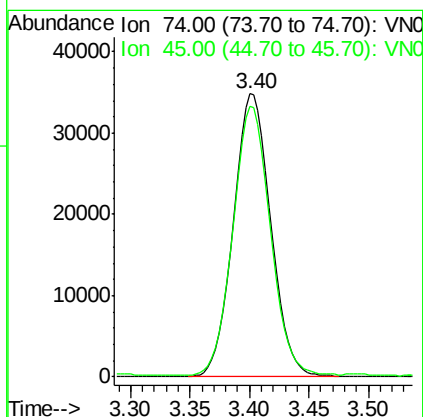
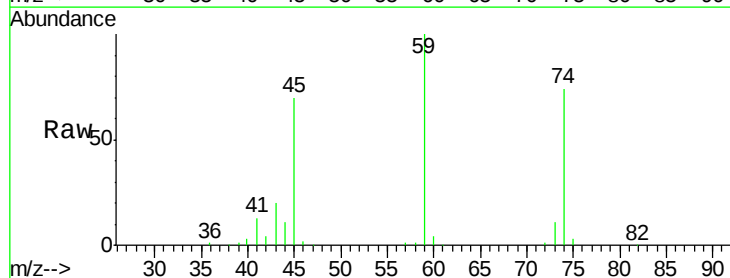
MMDadoda
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#8

Diethyl Ether
Concen: 43.172 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.0	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.967 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

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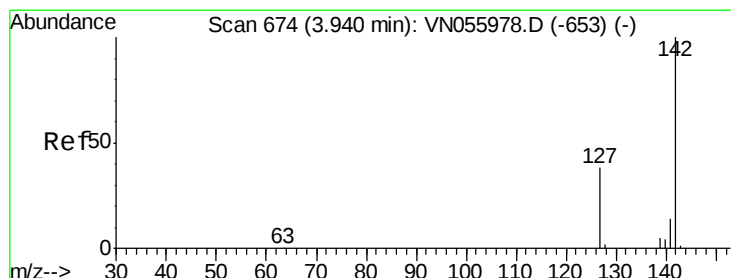
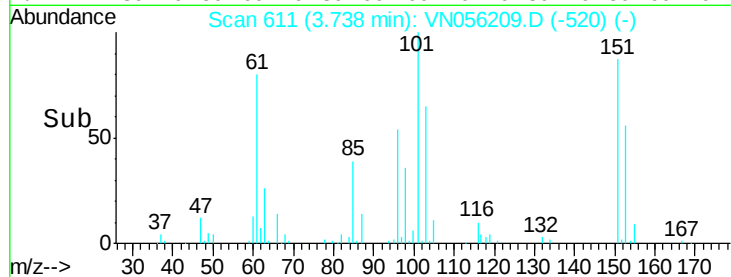
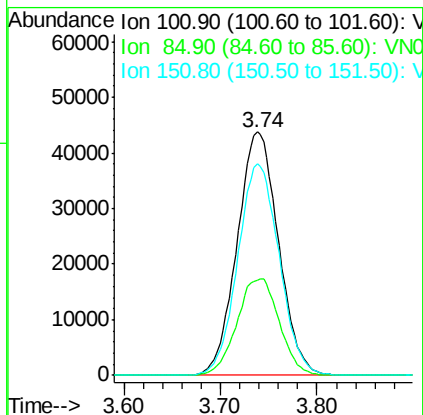
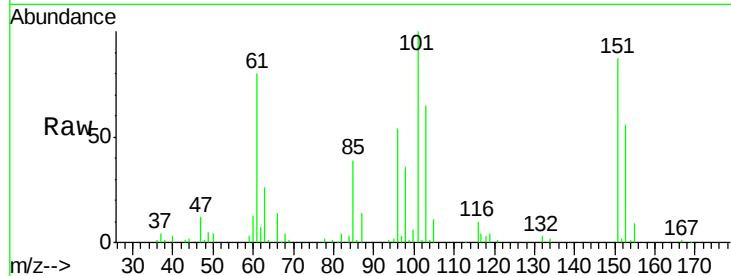
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	129917
Ion Ratio	Lower	Upper	
101	100		
85	40.6	33.4	50.2
151	87.3	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 43.195 ug/l

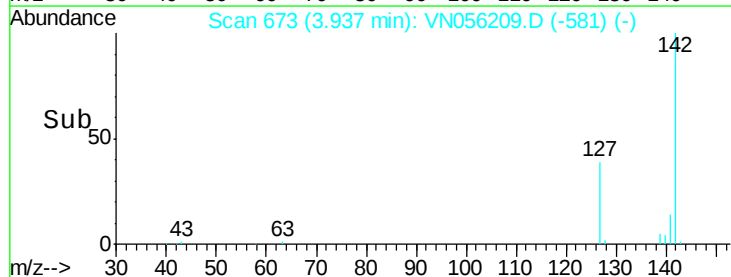
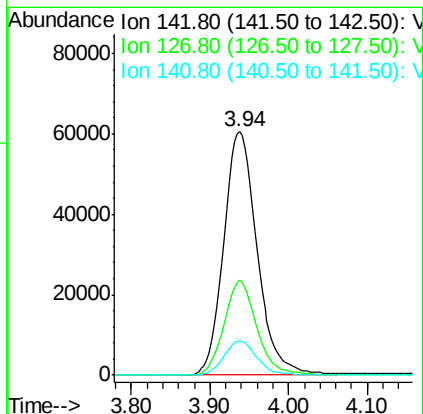
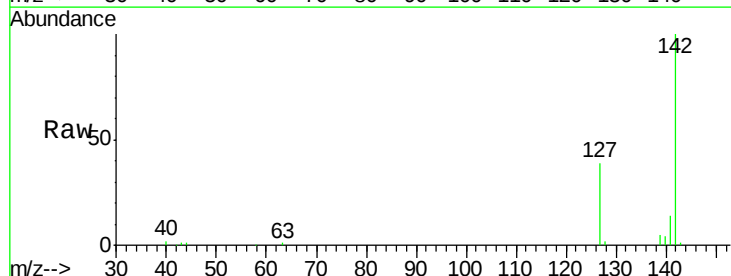
RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Tgt Ion:	142	Resp:	178475
Ion Ratio	Lower	Upper	
142	100		
127	37.9	31.0	46.4
141	13.8	11.4	17.0





#11

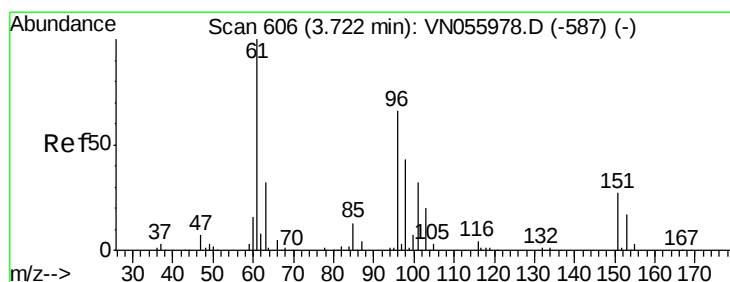
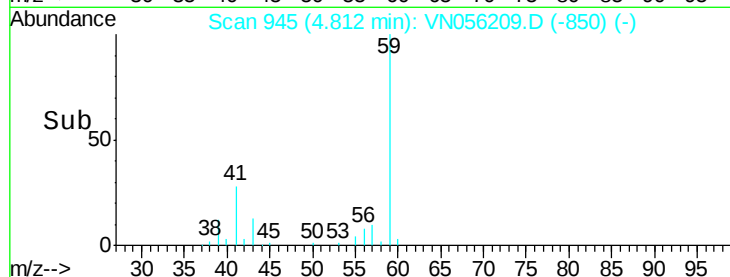
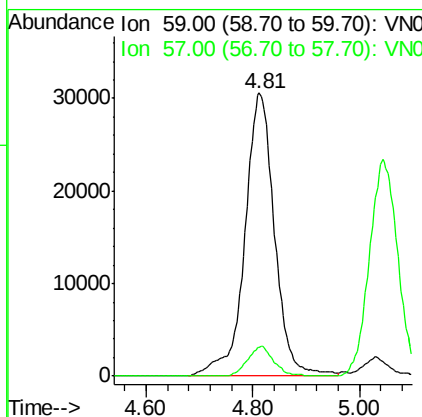
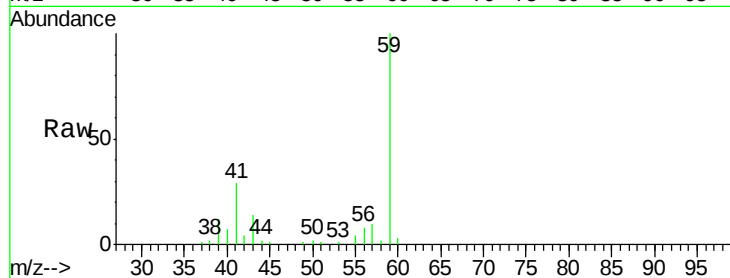
Tert butyl alcohol
Concen: 221.451 ug/l
RT: 4.81 min Scan# 945
Delta R.T. 0.01 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	117985		
57	9.2		7.8	11.6

Manual Integrations
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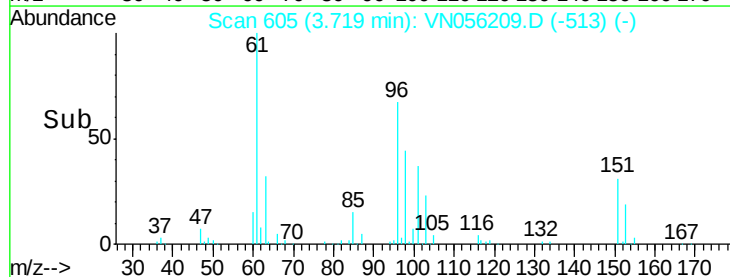
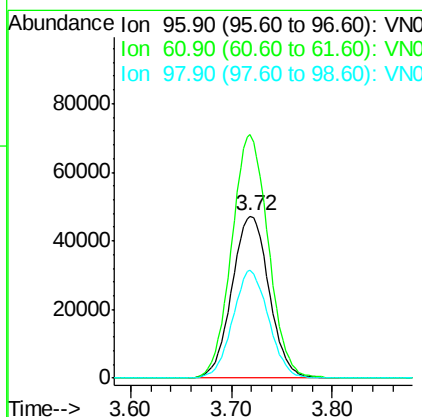
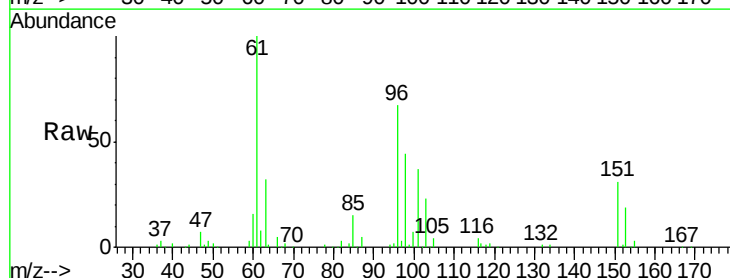
MMDadoda
6/12/2019 11:11:21 AM

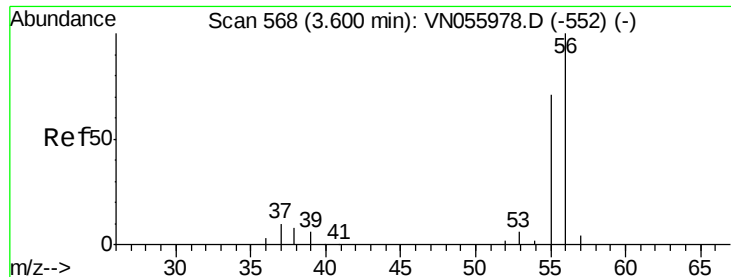


#12

1,1-Dichloroethene
Concen: 46.677 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	120824		
61	150.2		123.2	184.8
98	66.6		50.4	75.6





#13

Acrolein

Concen: 266.383 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 40932

Ion Ratio Lower Upper

56 100

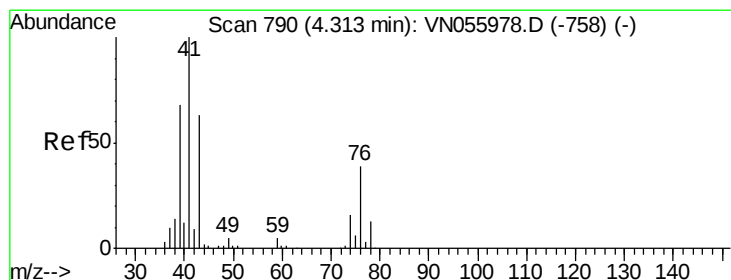
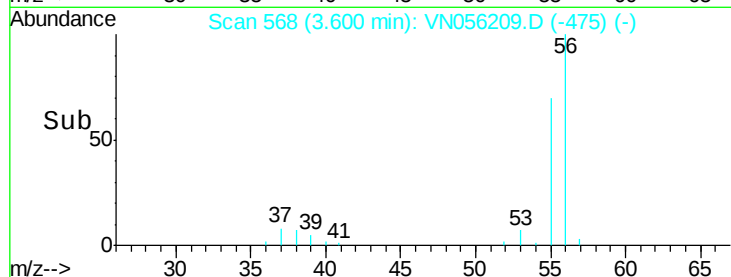
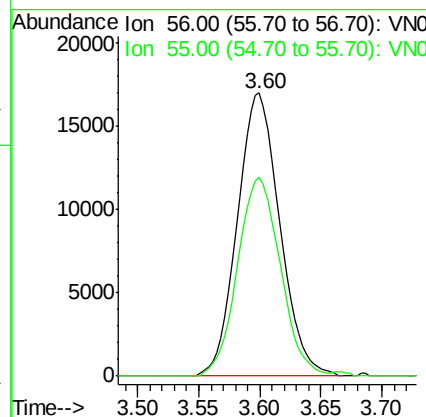
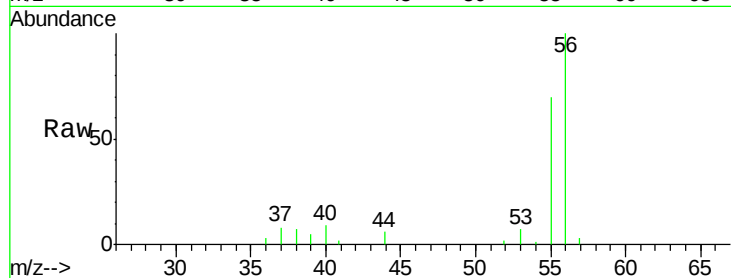
55 70.6 55.4 83.2

Manual Integrations

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#14

Allyl chloride

Concen: 47.300 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

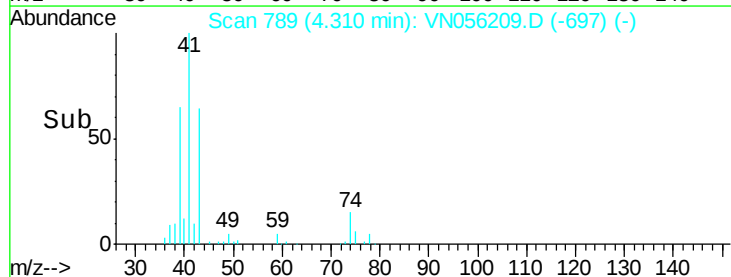
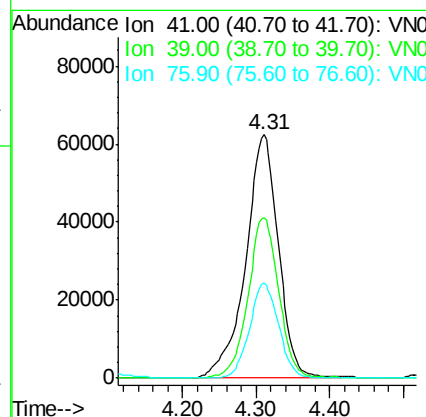
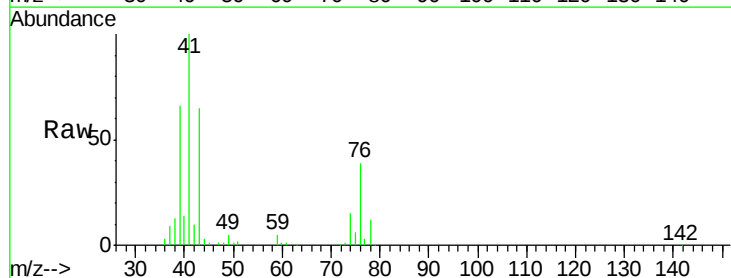
Tgt Ion: 41 Resp: 193331

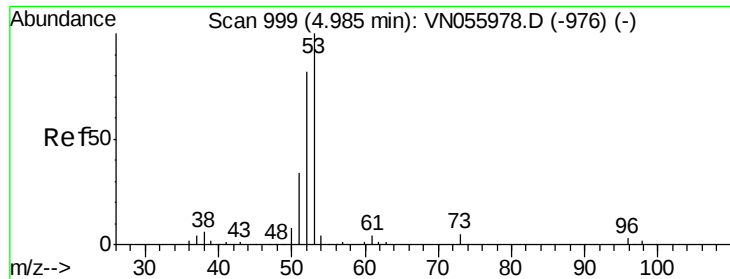
Ion Ratio Lower Upper

41 100

39 61.7 50.0 75.0

76 34.5 28.2 42.2





#15

Acrylonitrile

Concen: 257.630 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Instrument :

MSVOA_N

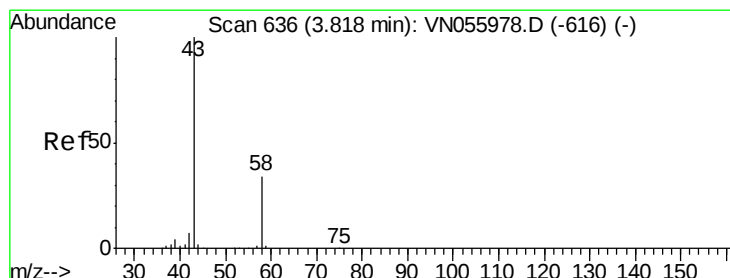
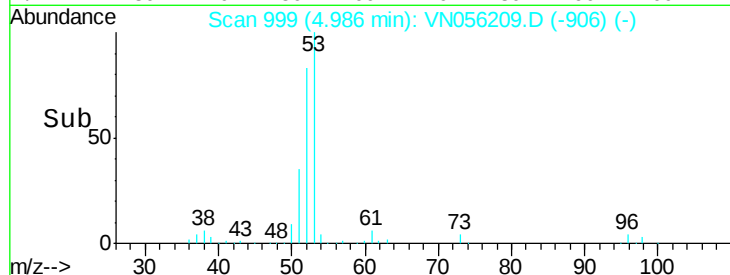
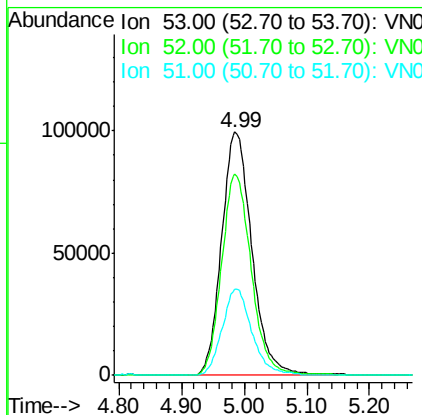
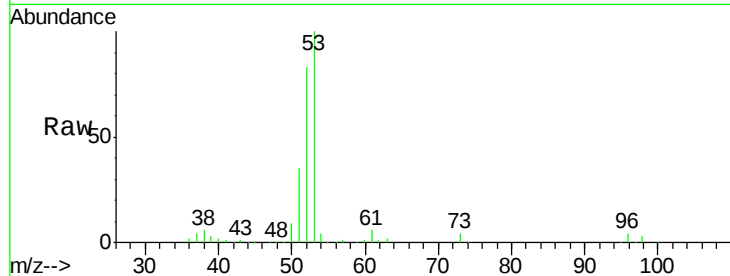
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	334131
Ion Ratio	Lower	Upper	
53	100		
52	81.0	65.8	98.8
51	34.9	28.2	42.4

Manual Integrations
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6/12/2019 11:11:21 AM



#16

Acetone

Concen: 244.204 ug/l

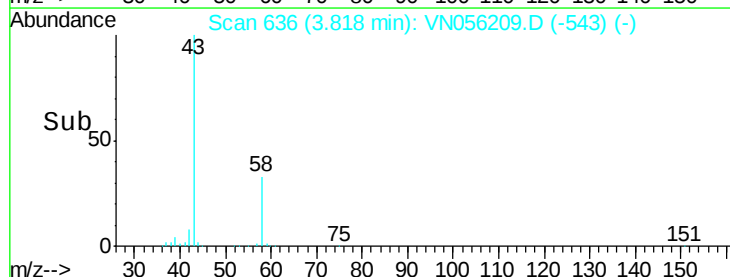
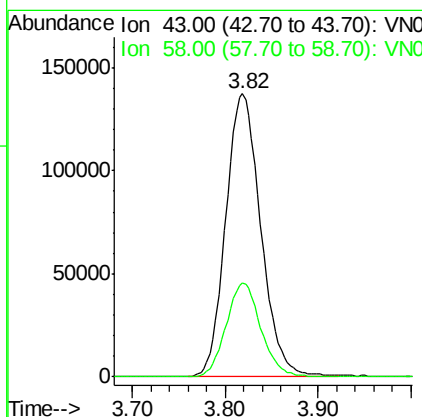
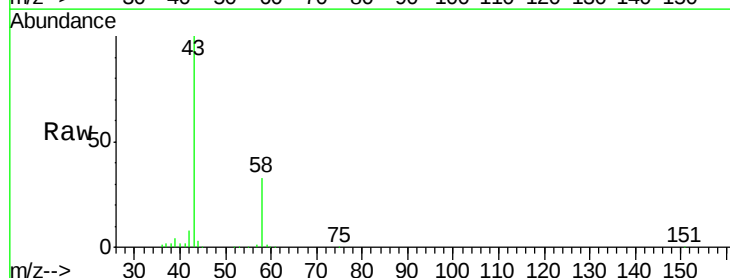
RT: 3.82 min Scan# 636

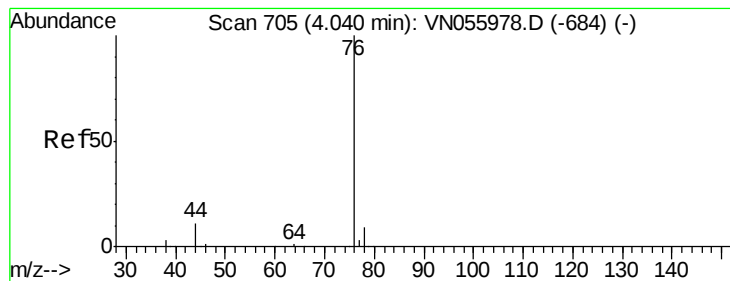
Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Tgt Ion:	43	Resp:	357578
Ion Ratio	Lower	Upper	
43	100		
58	33.4	26.6	39.8





#17

Carbon Disulfide

Concen: 44.241 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 274193

Ion Ratio Lower Upper

76 100

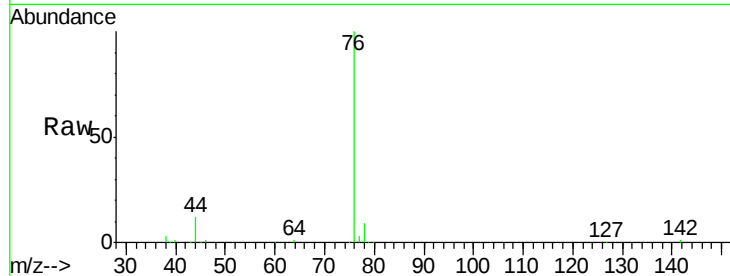
78 9.4 7.4 11.2

Manual Integrations

APPROVED

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

120000

100000

80000

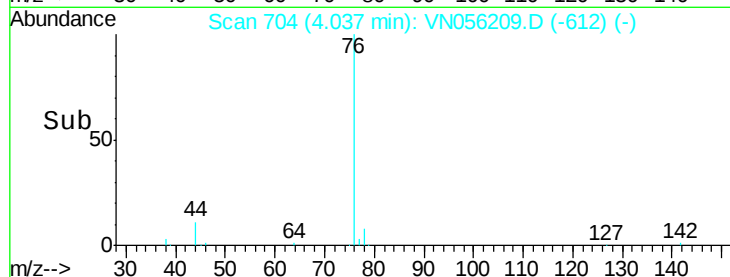
60000

40000

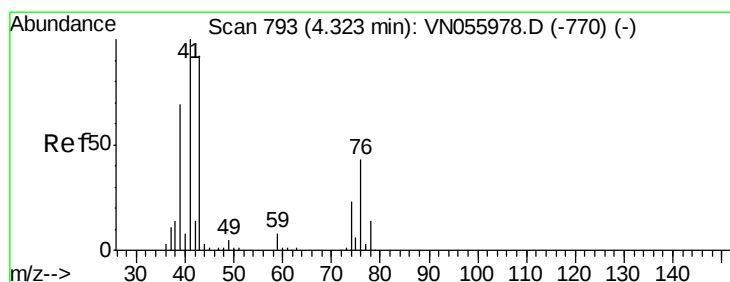
20000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 51.959 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056209.D

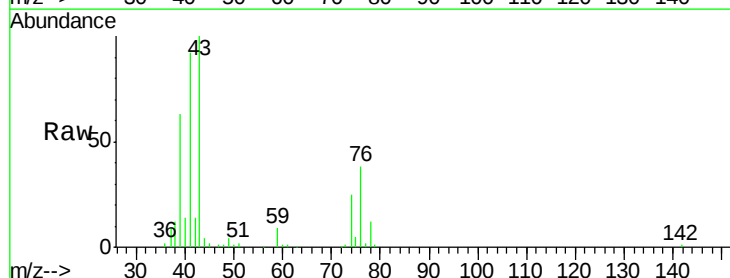
Acq: 11 Jun 2019 9:14

Tgt Ion: 43 Resp: 149380

Ion Ratio Lower Upper

43 100

74 24.7 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

60000

50000

40000

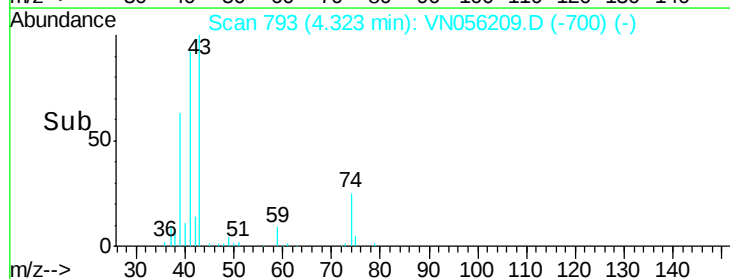
30000

20000

10000

0

Time-->



Time-->



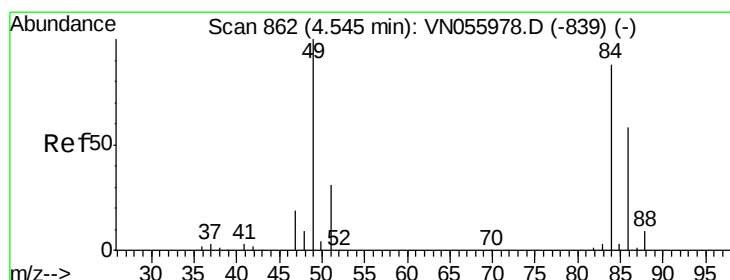
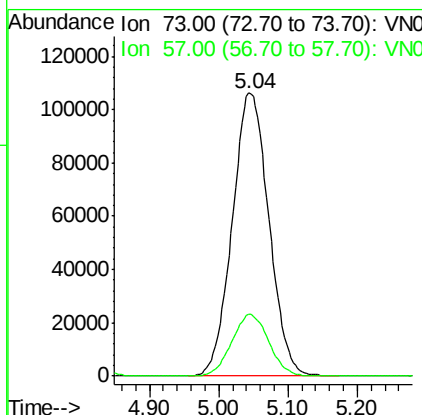
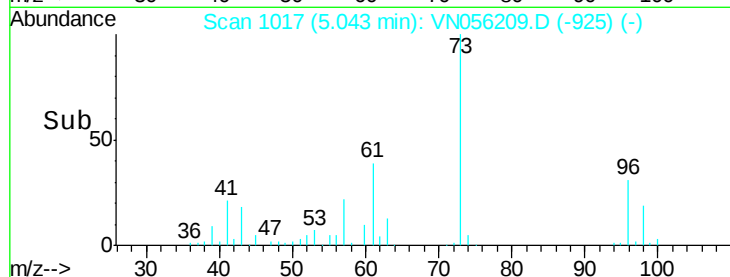
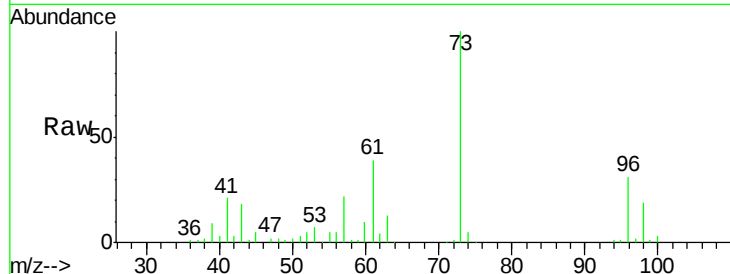
#19
Methvl tert-butvl Ether
Concen: 47.359 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 390753
Ion Ratio Lower Upper
73 100
57 22.0 17.8 26.8

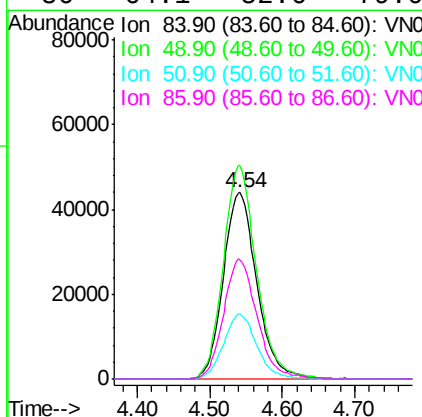
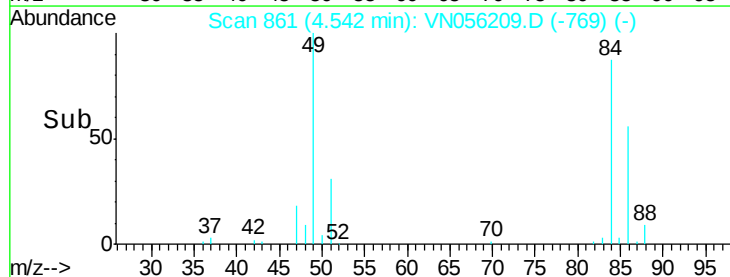
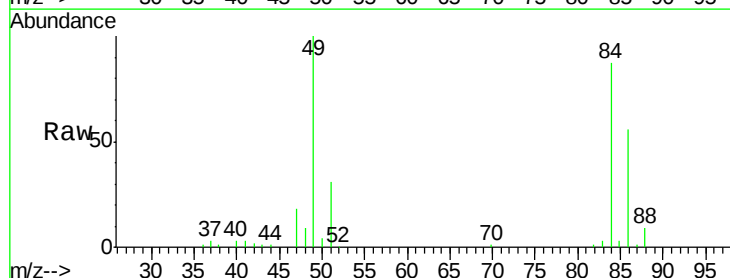
Manual Integrations
APPROVED

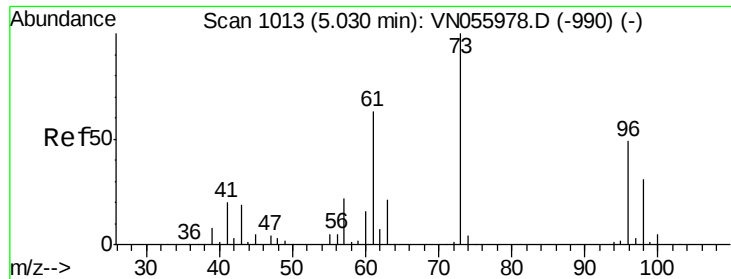
MMDadoda
6/12/2019 11:11:21 AM



#20
Methylene Chloride
Concen: 46.996 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Tgt Ion: 84 Resp: 141775
Ion Ratio Lower Upper
84 100
49 114.5 93.5 140.3
51 34.9 28.6 43.0
86 64.1 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 46.400 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 128689

Ion Ratio Lower Upper

96 100

61 132.3 107.8 161.8

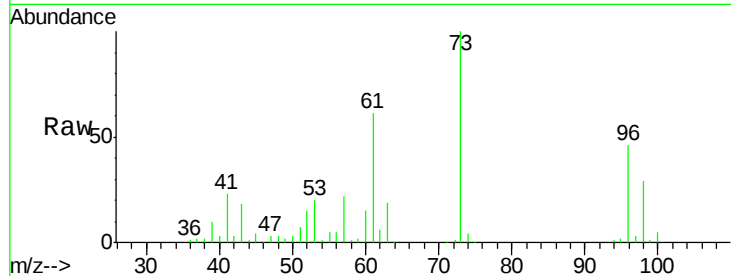
98 63.6 49.8 74.8

Manual Integrations

APPROVED

MMDadoda

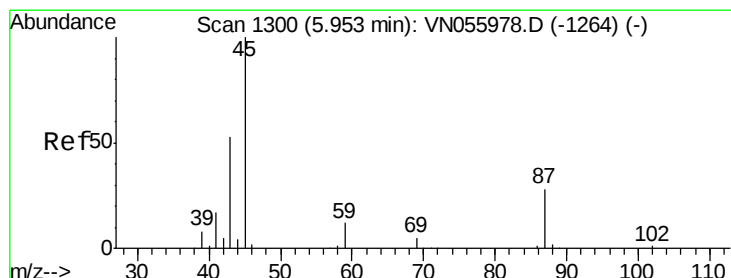
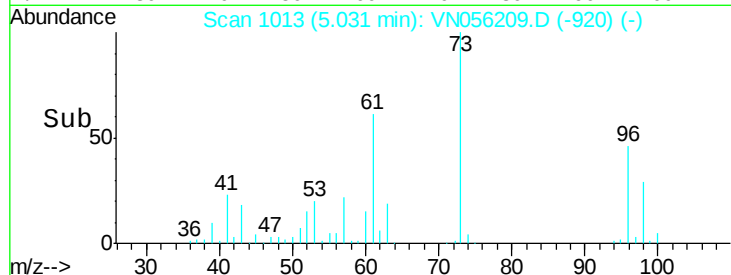
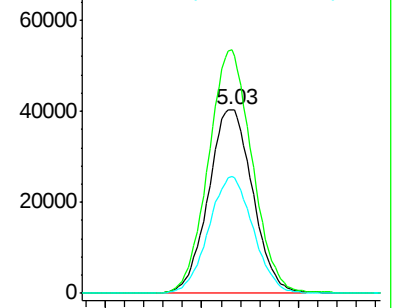
6/12/2019 11:11:21 AM



Abundance Ion 95.90 (95.60 to 96.60): VN055978.D (-990) (-)

Ion 60.90 (60.60 to 61.60): VN055978.D (-990) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-990) (-)



#22

Diisopropyl ether

Concen: 47.642 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Tgt Ion: 45 Resp: 402534

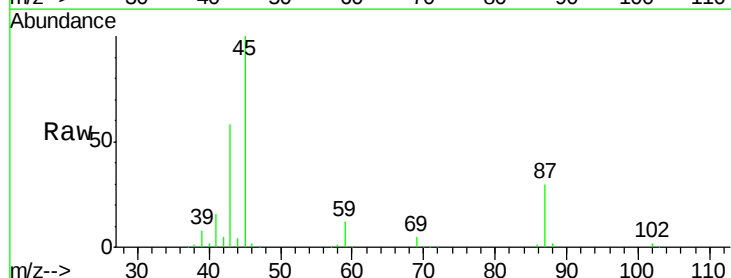
Ion Ratio Lower Upper

45 100

43 56.3 45.0 67.6

87 29.4 22.2 33.4

59 11.8 9.1 13.7

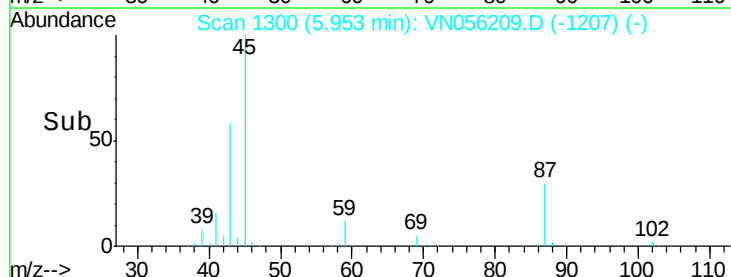
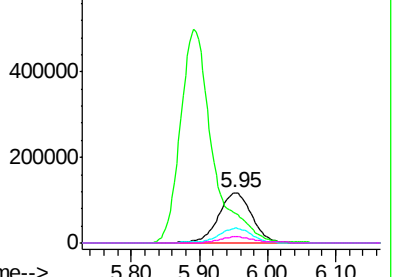


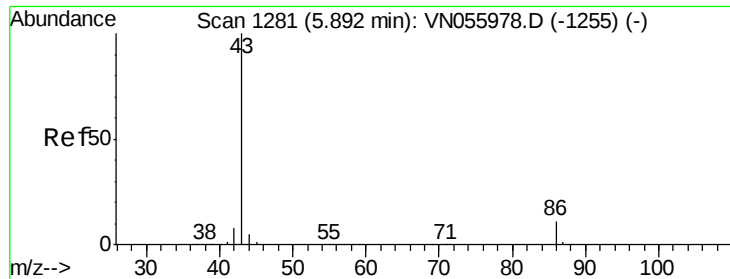
Abundance Ion 45.00 (44.70 to 45.70): VN055978.D (-1264) (-)

Ion 43.00 (42.70 to 43.70): VN055978.D (-1264) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1264) (-)

Ion 59.00 (58.70 to 59.70): VN055978.D (-1264) (-)





#23

Vinyl Acetate

Concen: 246.147 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 1637802

Ion Ratio Lower Upper

43 100

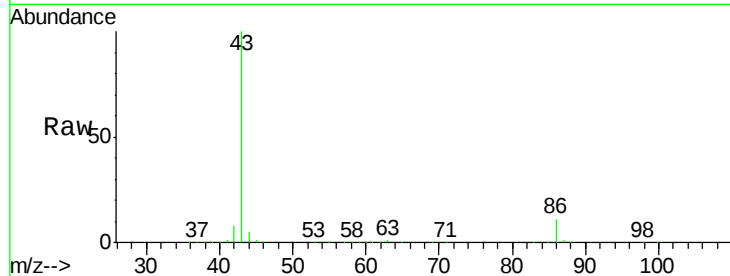
86 11.1 8.6 13.0

Manual Integrations

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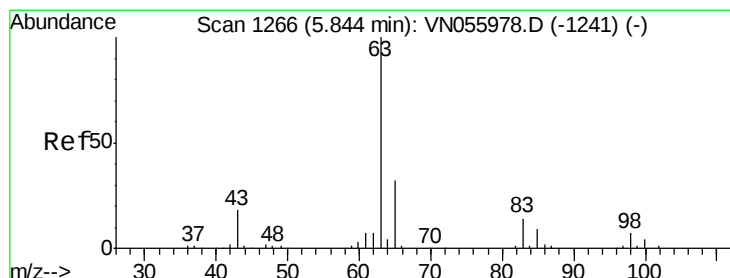
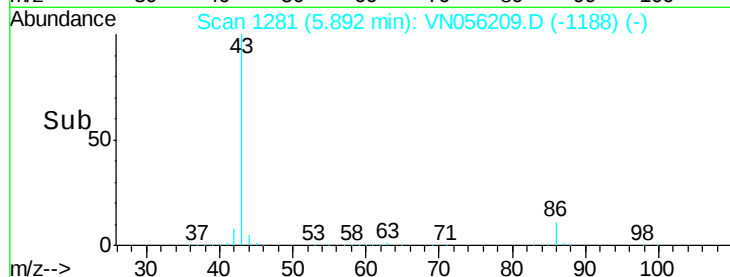
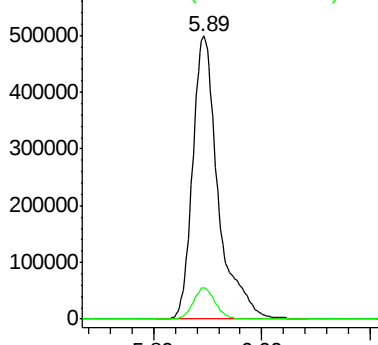
MMDadoda

6/12/2019 11:11:21 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: 47.636 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

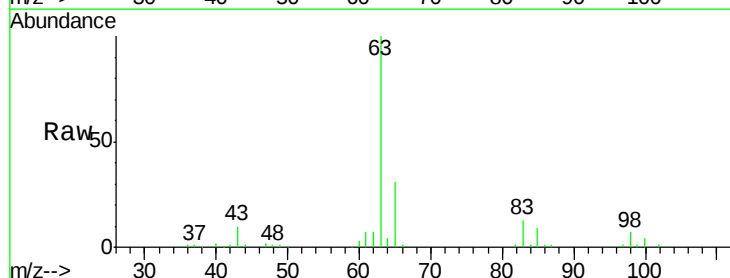
Tgt Ion: 63 Resp: 232171

Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.1

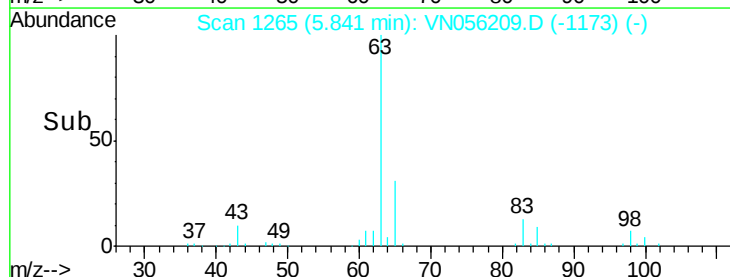
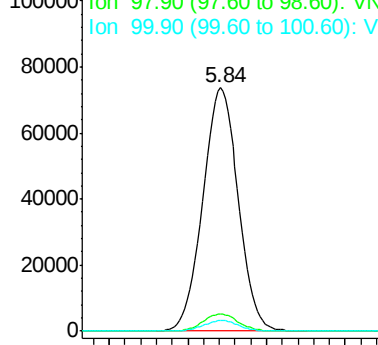
100 4.3 2.2 6.6

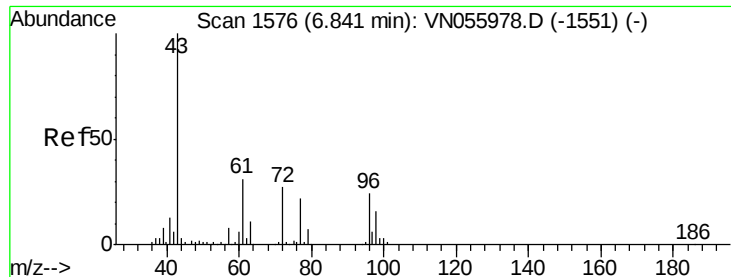


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





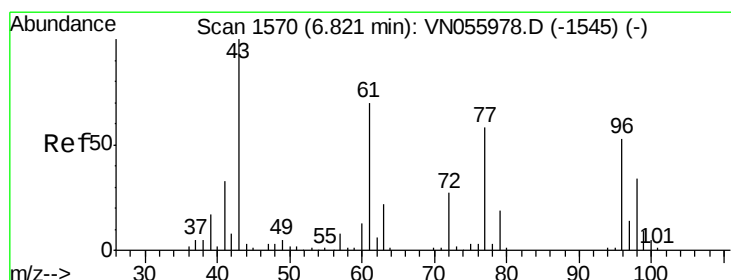
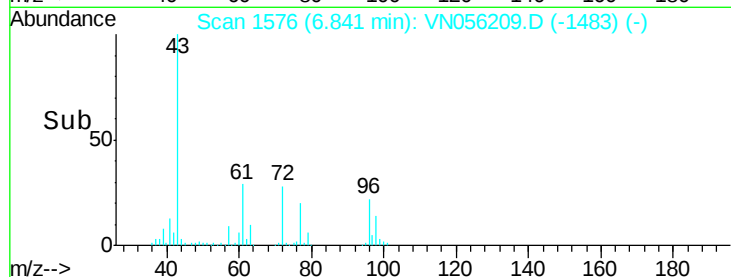
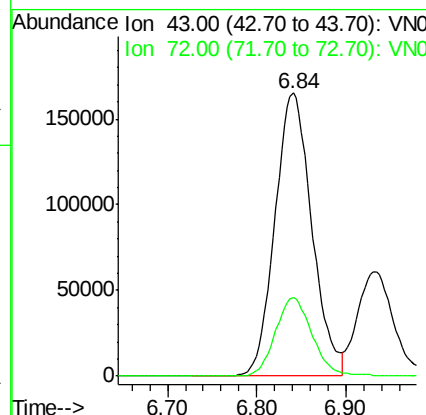
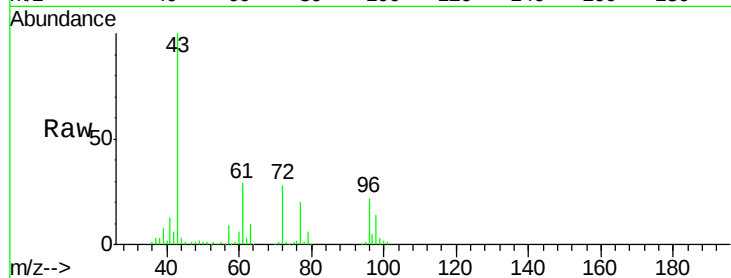
#25
2-Butanone
Concen: 257.316 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 476047
Ion Ratio Lower Upper
43 100
72 27.8 21.9 32.9

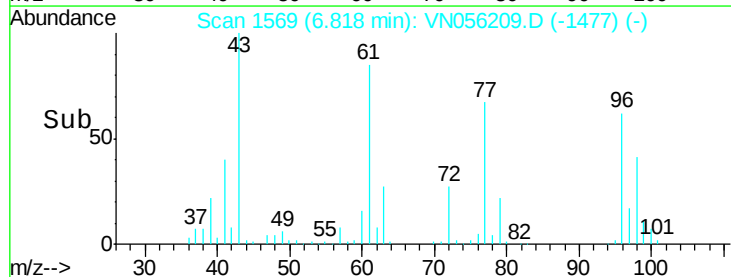
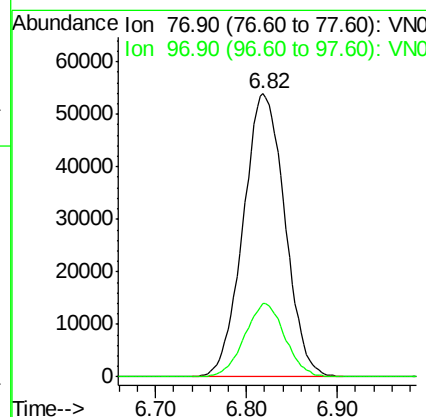
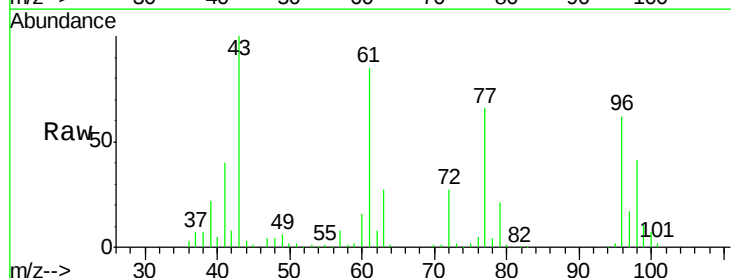
Manual Integrations
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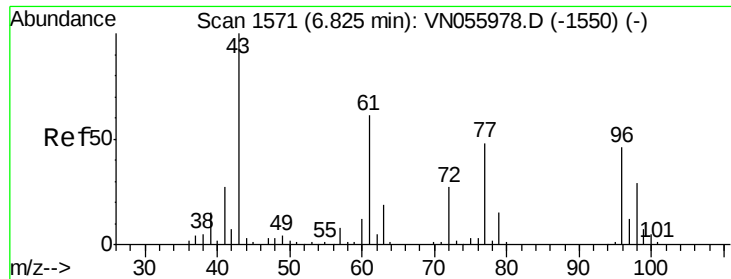
MMDadoda
6/12/2019 11:11:21 AM



#26
2,2-Dichloropropane
Concen: 45.026 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Tgt Ion: 77 Resp: 171239
Ion Ratio Lower Upper
77 100
97 25.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 47.101 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Instrument :

MSVOA_N

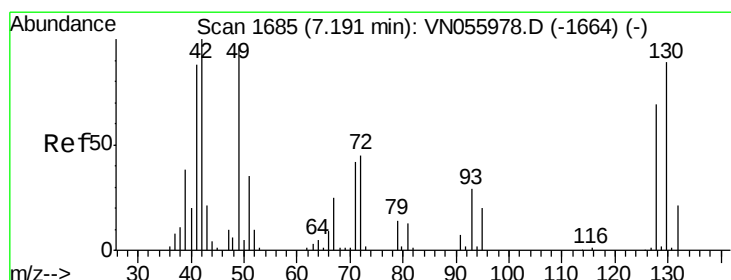
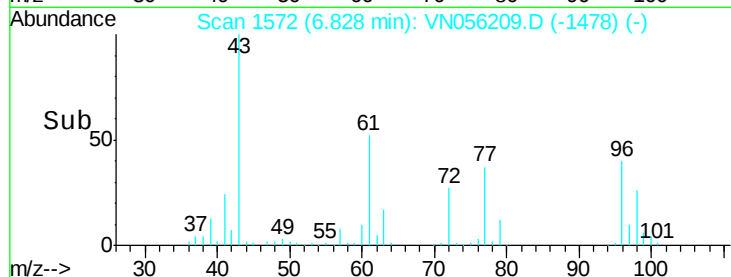
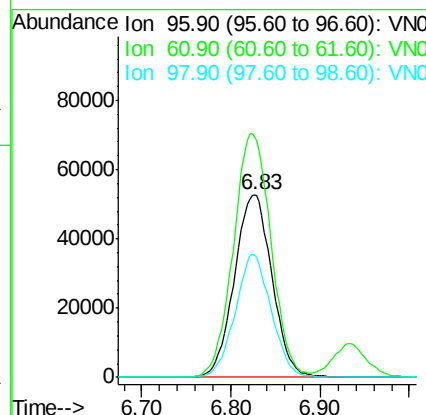
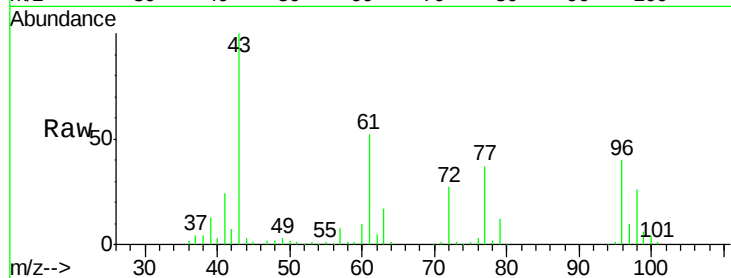
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	153556
Ion Ratio	Lower	Upper	
96	100		
61	133.9	0.0	275.8
98	64.5	0.0	128.4

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#28

Bromochloromethane

Concen: 49.097 ug/l

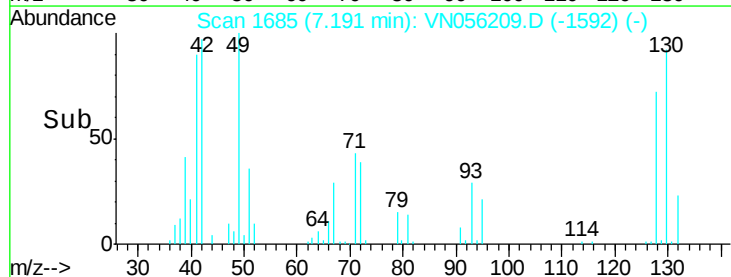
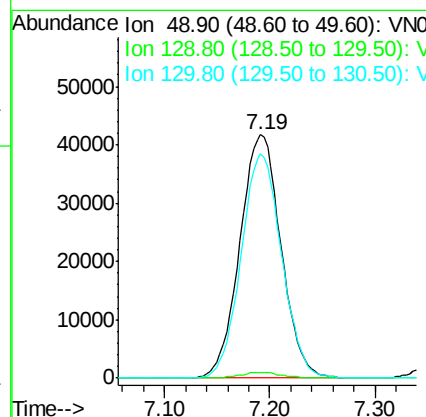
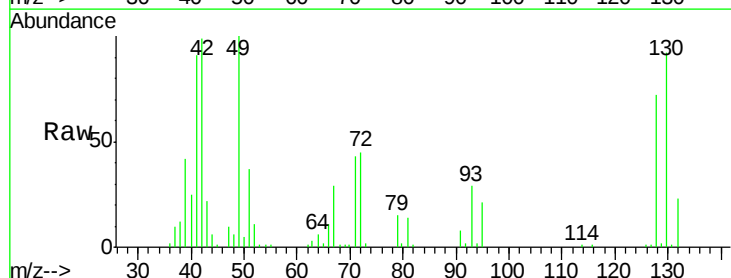
RT: 7.19 min Scan# 1685

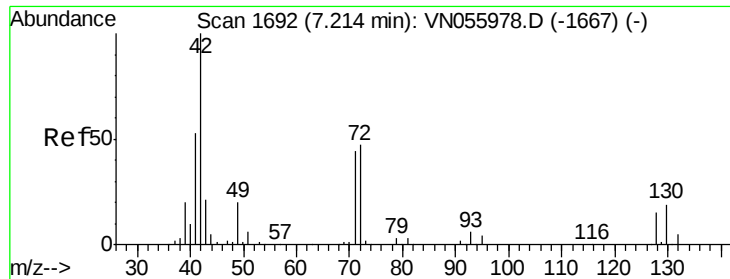
Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Tgt Ion:	49	Resp:	113160
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.4
130	90.8	71.2	106.8





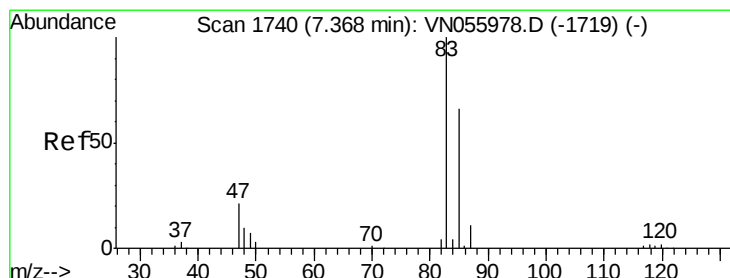
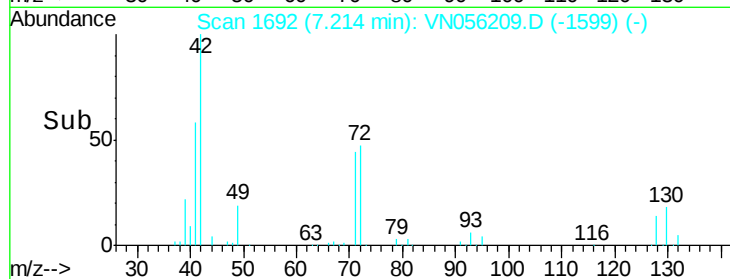
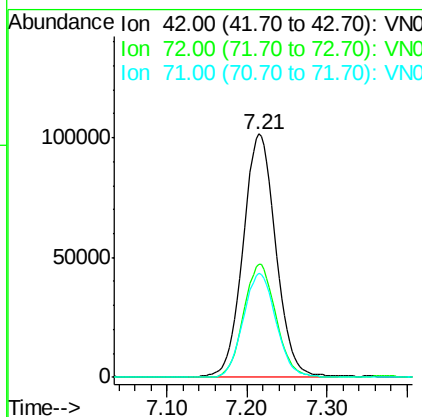
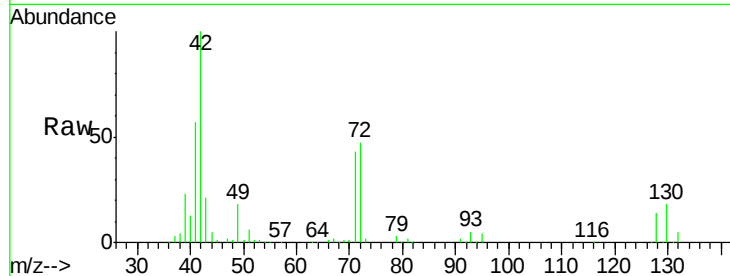
#29
Tetrahydrofuran
Concen: 247.338 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	35.9	53.9
71	42.5	34.0	51.0

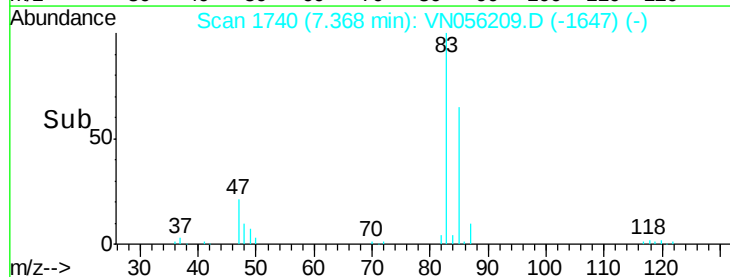
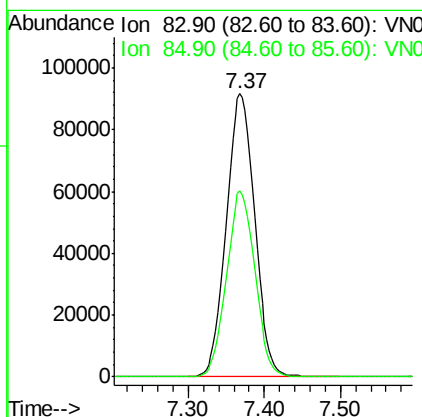
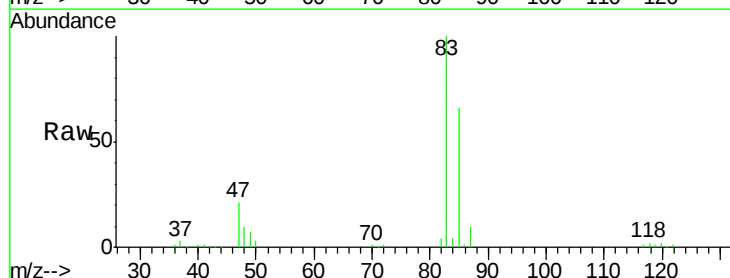
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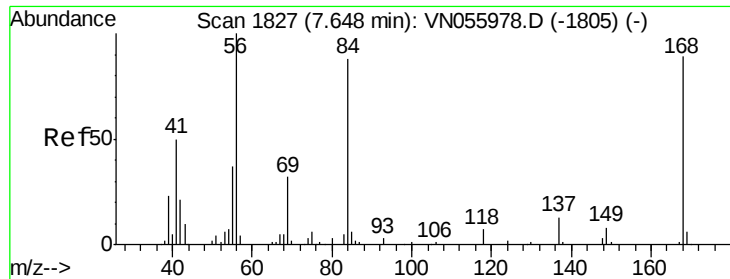
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#30
Chloroform
Concen: 48.813 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.8





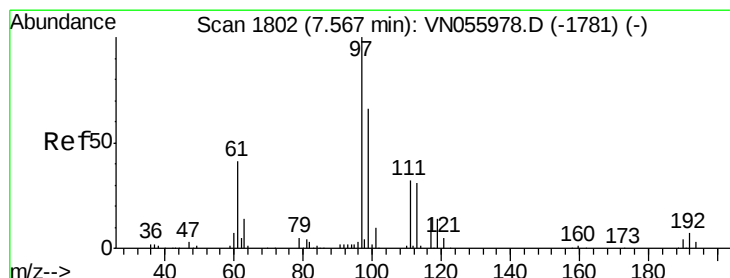
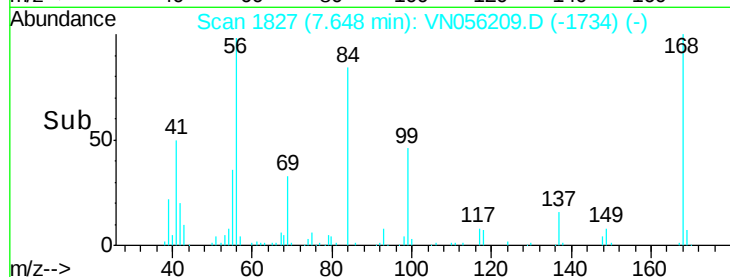
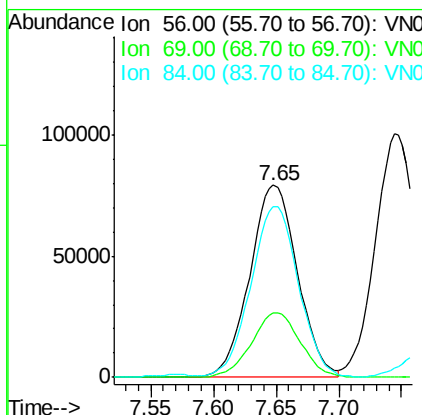
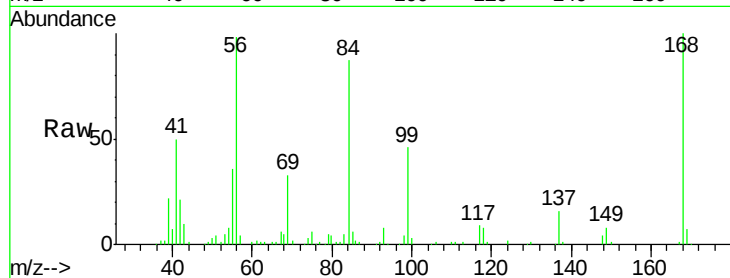
#31
Cyclohexane
Concen: 43.198 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	25.6	38.4
84	87.5	67.4	101.0

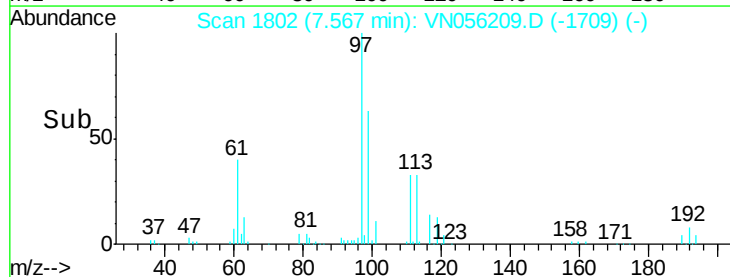
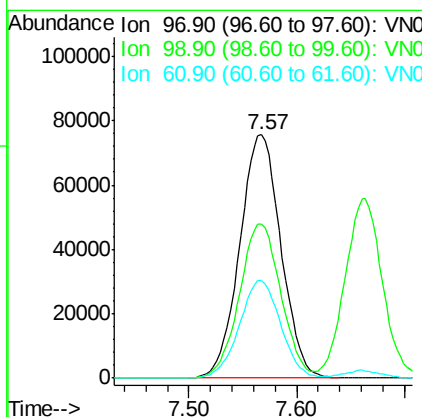
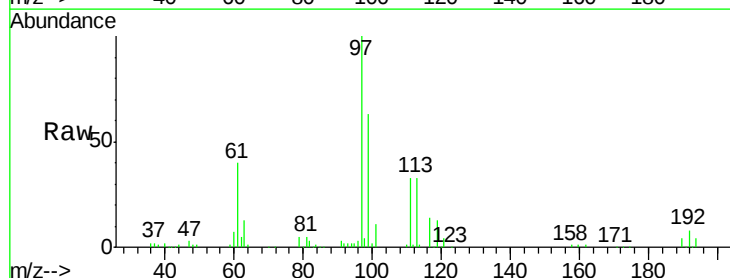
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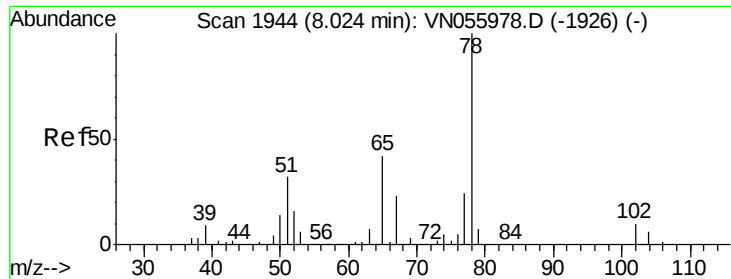
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#32
1,1,1-Trichloroethane
Concen: 49.016 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.0	78.0
61	40.2	32.9	49.3





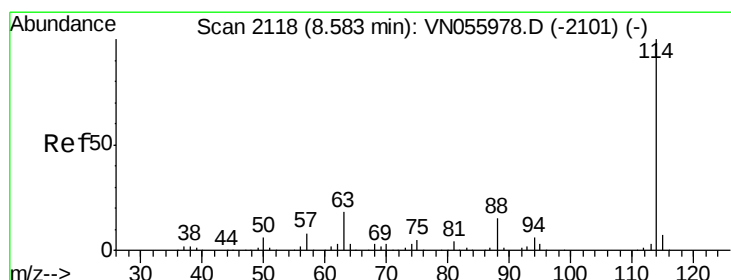
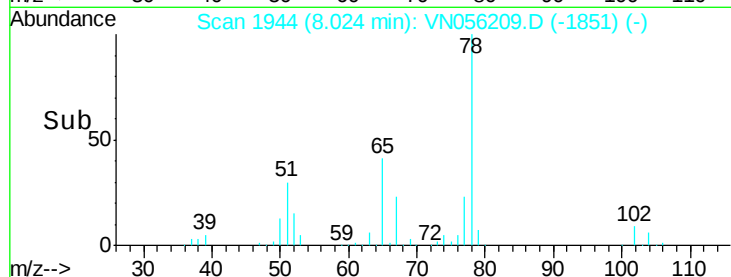
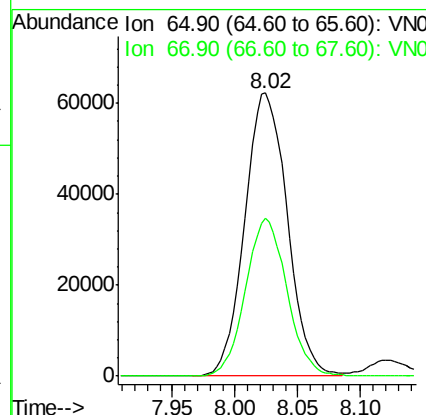
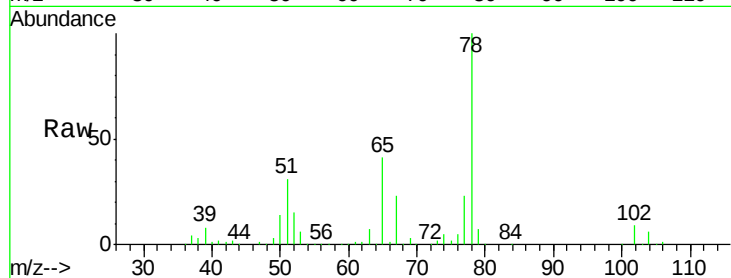
#33
 1,2-Dichloroethane-d4
 Concen: 47.858 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056209.D
 Acq: 11 Jun 2019 9:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.1	0.0	109.2	

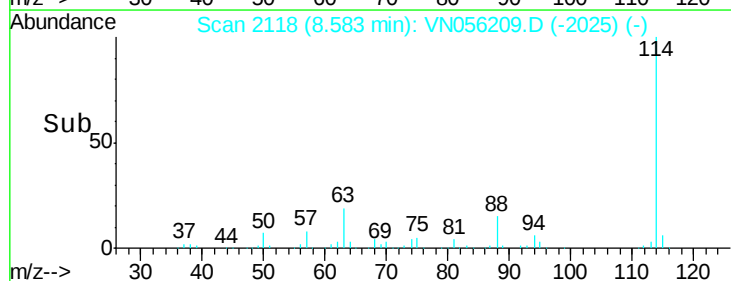
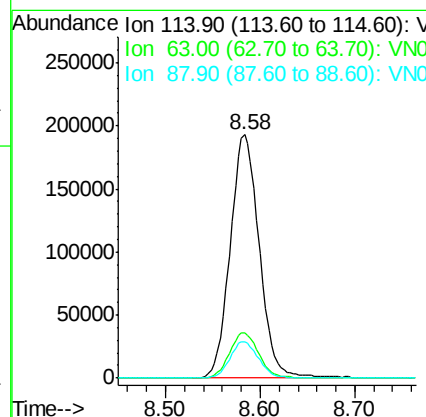
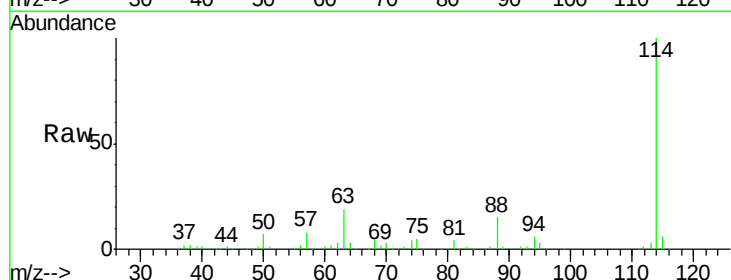
Manual Integrations
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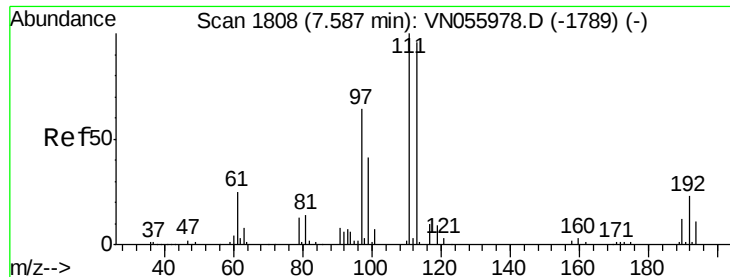
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 6/12/2019 11:11:21 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056209.D
 Acq: 11 Jun 2019 9:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.5	0.0	39.2	
88	15.0	0.0	31.0	





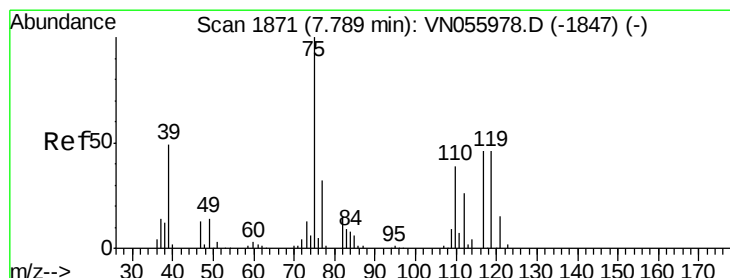
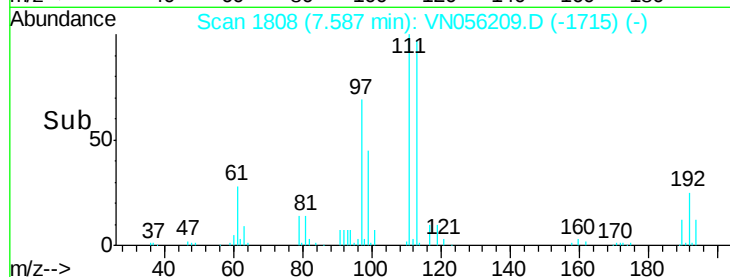
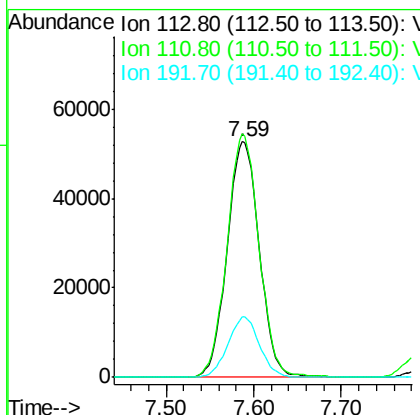
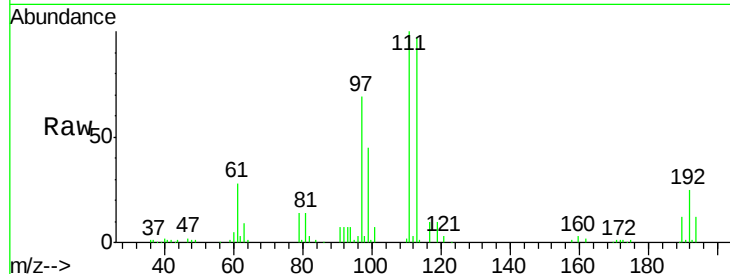
#35
 Dibromofluoromethane
 Concen: 53.152 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN056209.D
 Acq: 11 Jun 2019 9:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.6	81.9	122.9	
192	25.1	19.5	29.3	

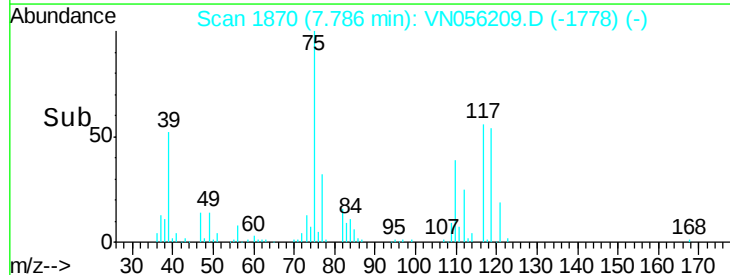
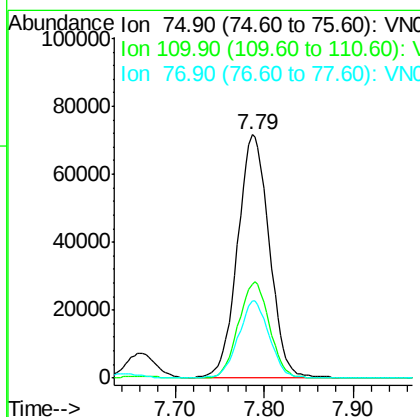
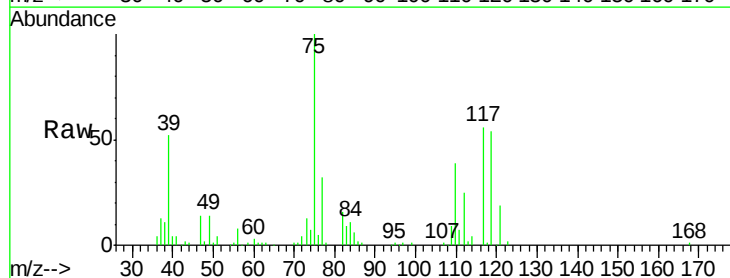
Manual Integrations
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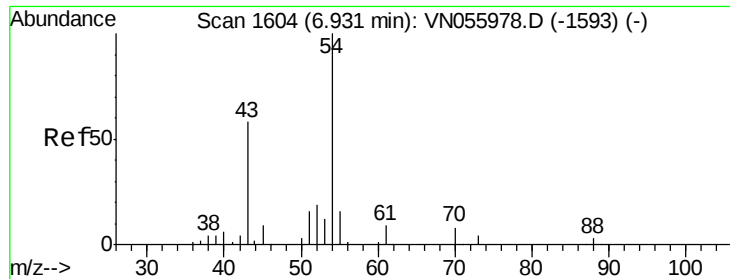
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#36
 1,1-Dichloropropene
 Concen: 49.560 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN056209.D
 Acq: 11 Jun 2019 9:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.7	19.0	57.0	
77	31.1	25.1	37.7	





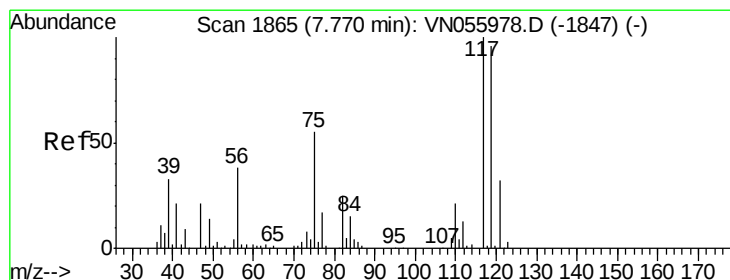
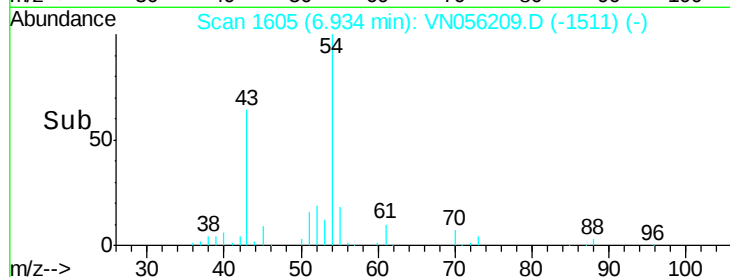
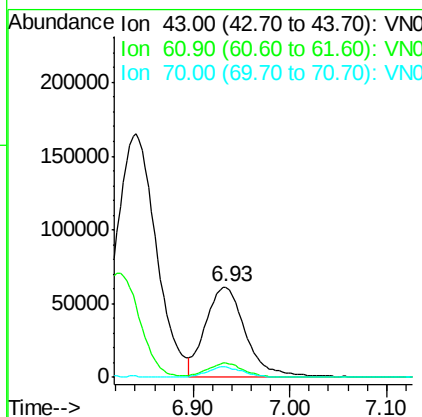
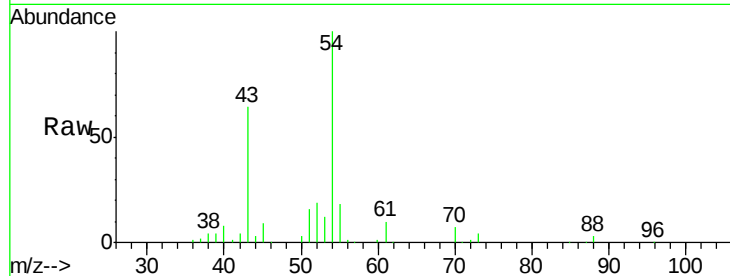
#37
Ethyl Acetate
Concen: 54.870 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.2	18.2
70	10.7	8.9	13.3

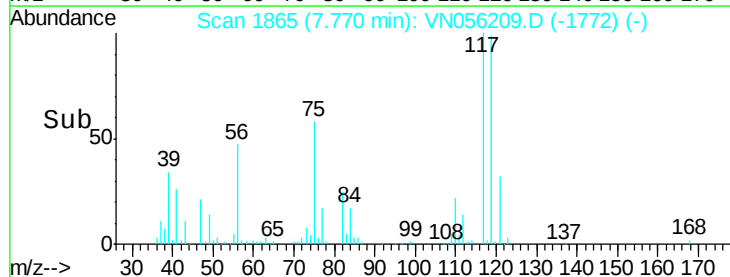
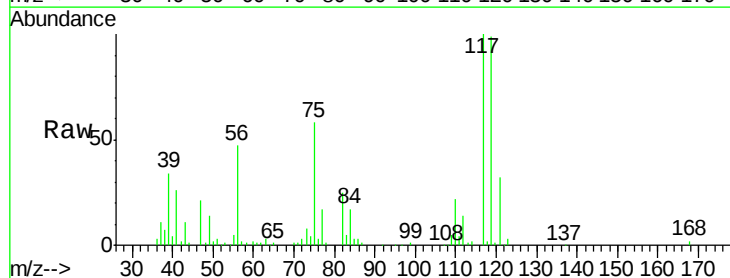
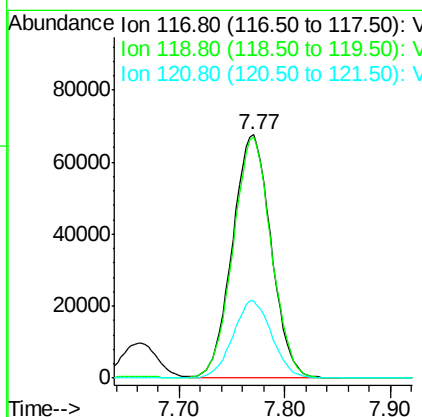
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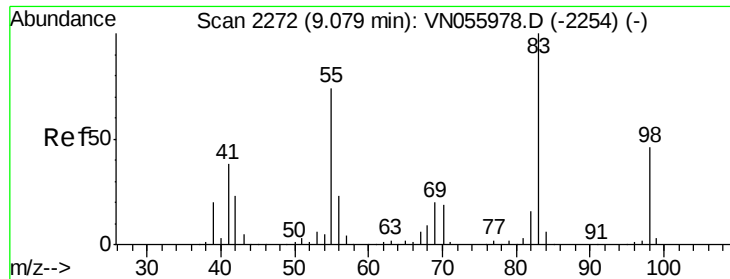
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#38
Carbon Tetrachloride
Concen: 52.693 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	79.0	118.6
121	31.8	24.7	37.1





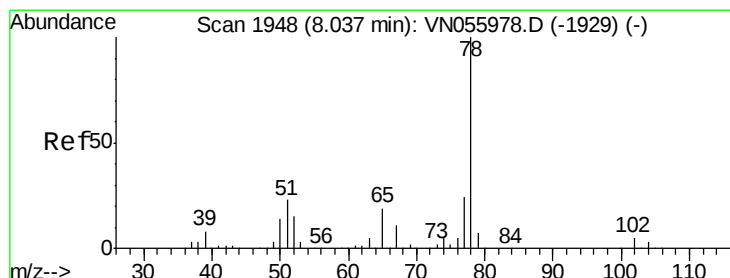
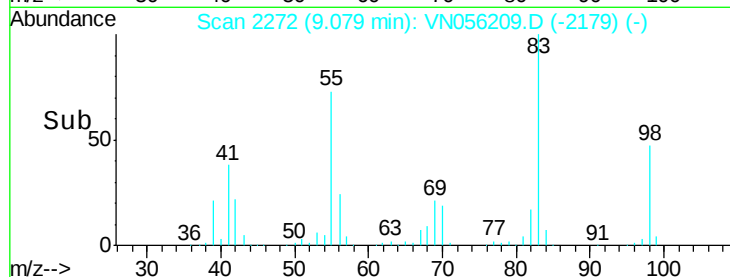
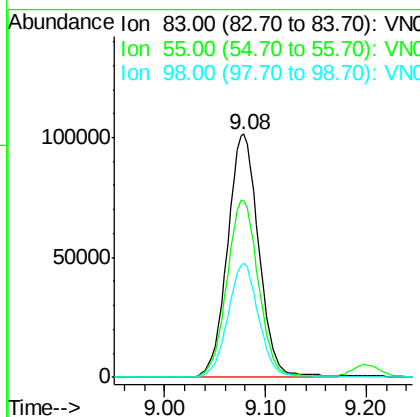
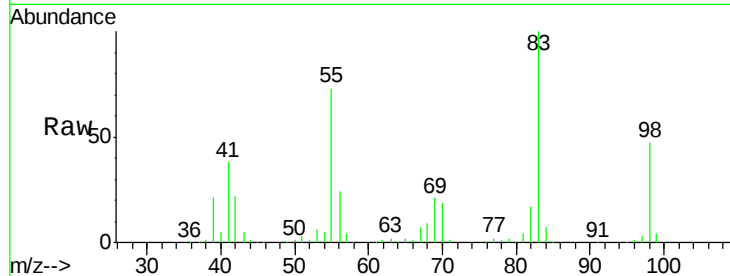
#39
Methvlcvclohexane
Concen: 49.613 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.9	59.3	88.9
98	46.8	36.6	54.8

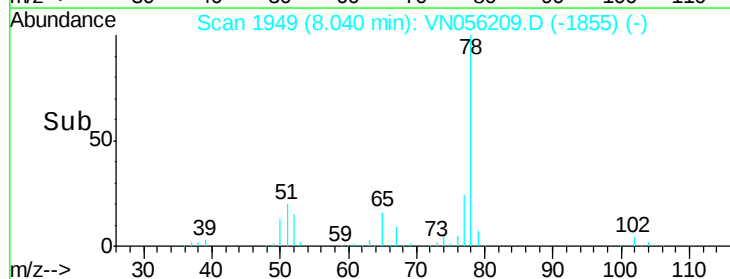
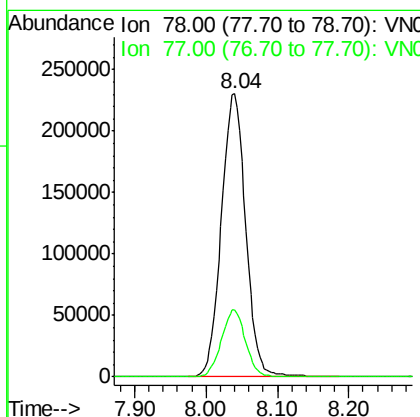
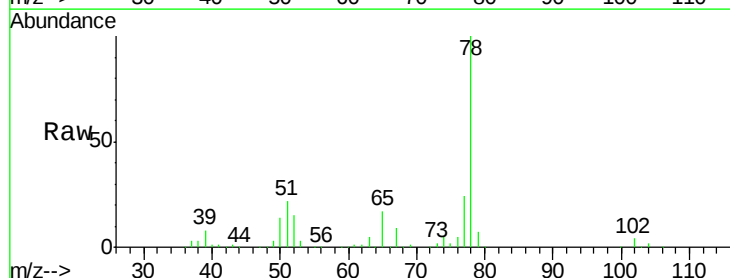
Manual Integrations
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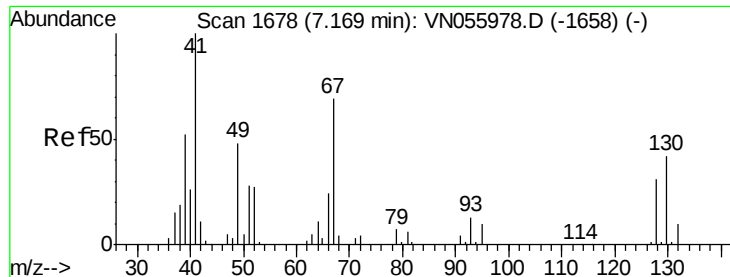
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#40
Benzene
Concen: 50.787 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





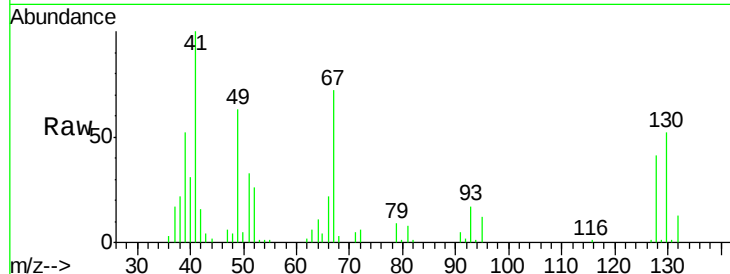
#41
Methacrylonitrile
Concen: 59.208 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	85947
Ion	Ratio	Lower	Upper
41	100		
39	55.9	45.6	68.4
67	85.3	67.7	101.5
52	32.2	26.6	40.0

Manual Integrations
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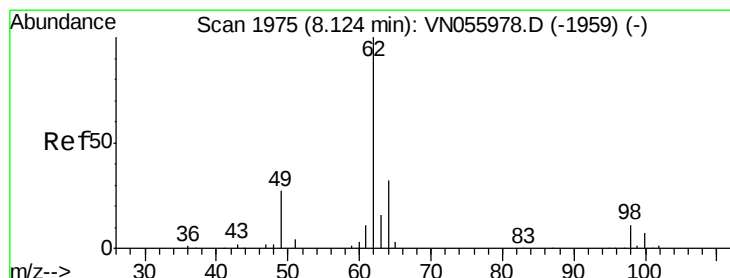
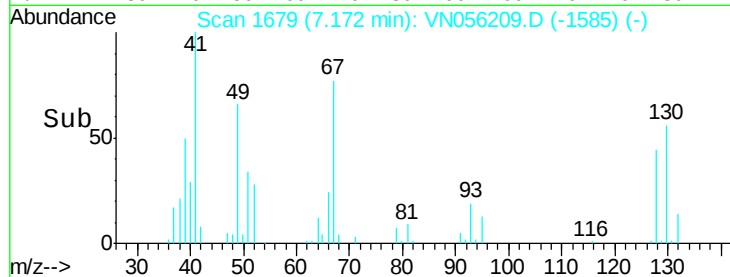
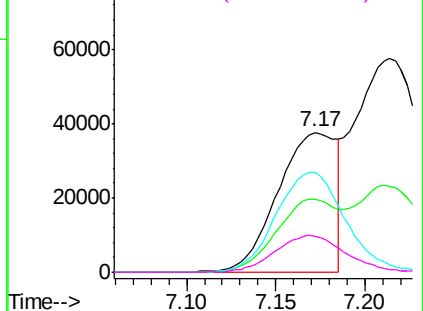


Abundance Ion 41.00 (40.70 to 41.70): VN055978.D (-1658) (-)

Ion 39.00 (38.70 to 39.70): VN055978.D (-1658) (-)

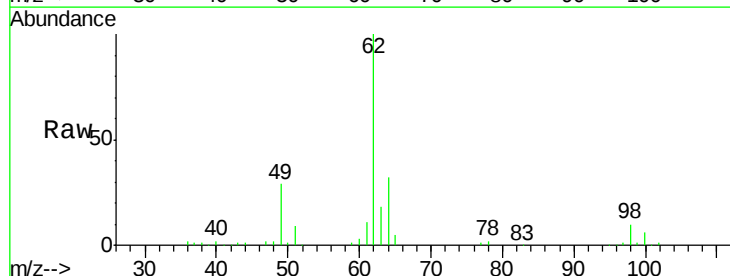
Ion 67.00 (66.70 to 67.70): VN055978.D (-1658) (-)

Ion 52.00 (51.70 to 52.70): VN055978.D (-1658) (-)



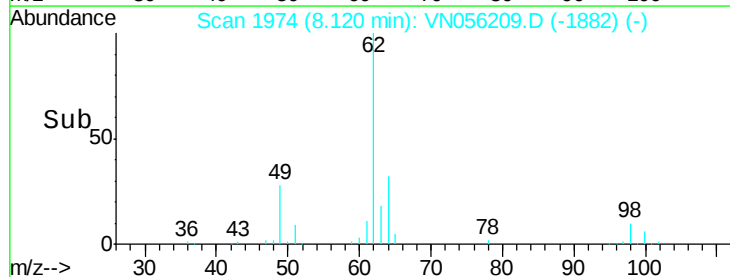
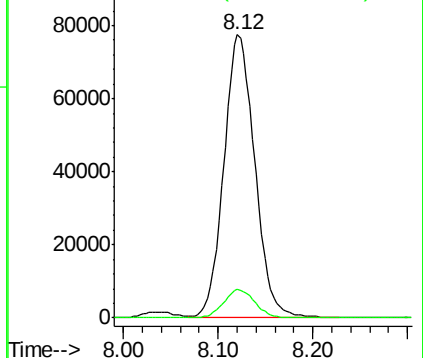
#42
1,2-Dichloroethane
Concen: 50.599 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

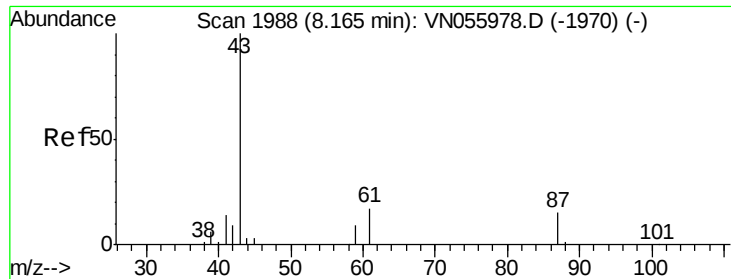
Tgt Ion:	62	Resp:	175290
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2



Abundance Ion 61.90 (61.60 to 62.60): VN055978.D (-1959) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-1959) (-)





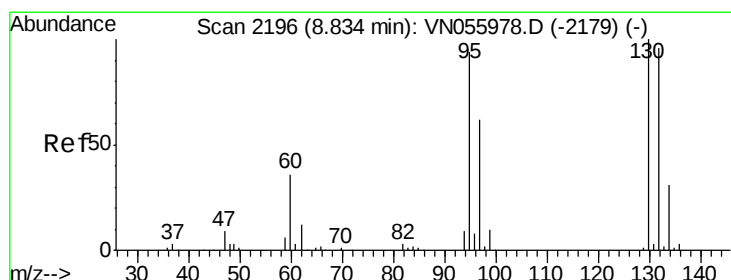
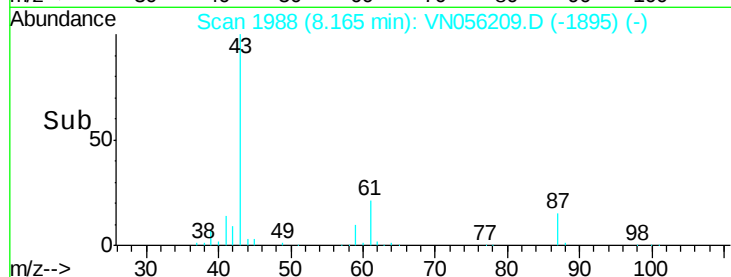
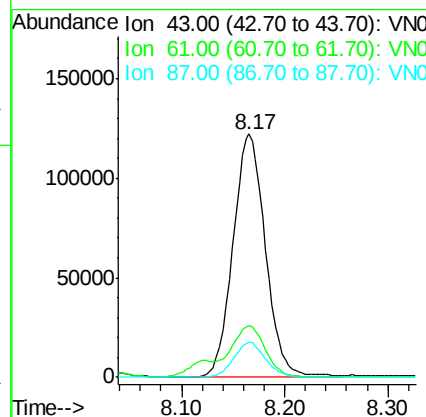
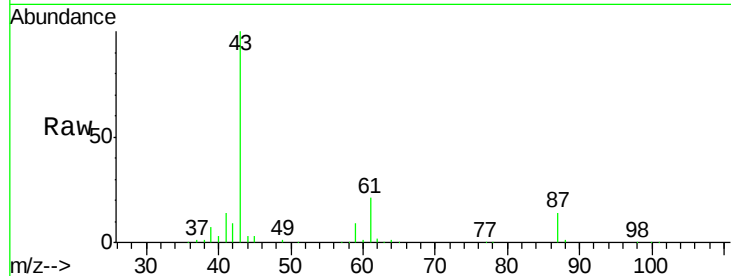
#43
Isopropyl Acetate
Concen: 51.980 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.6	22.2	33.4#
87	14.2	11.4	17.2

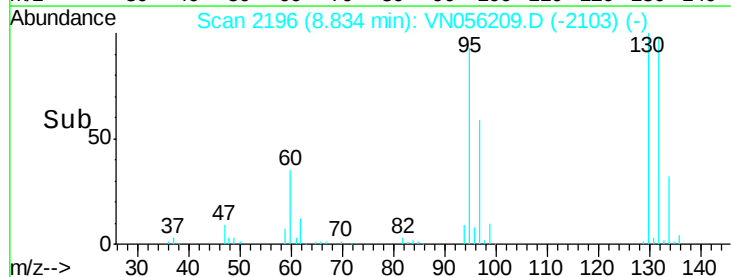
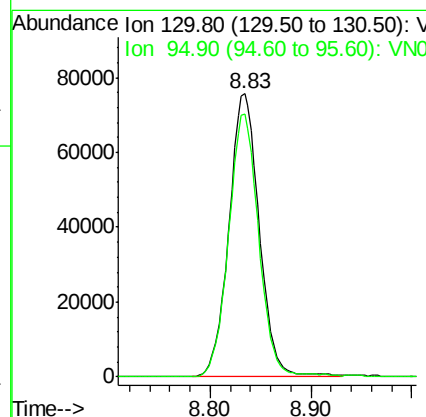
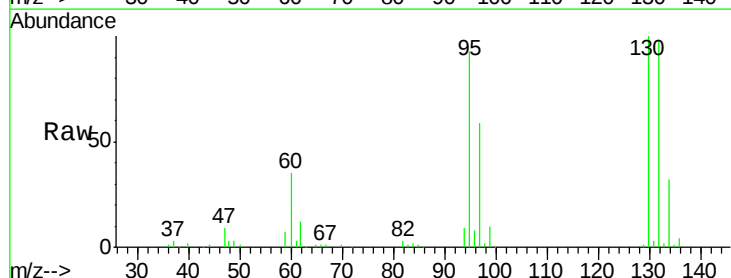
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#44
Trichloroethene
Concen: 51.254 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	188.0





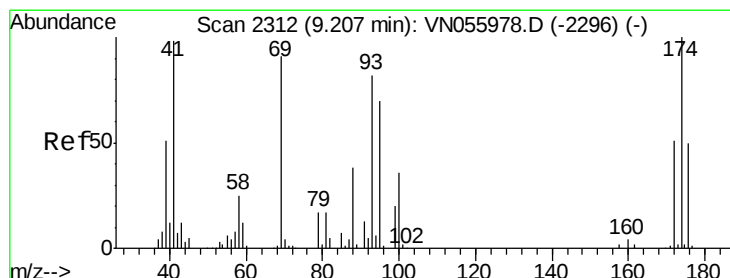
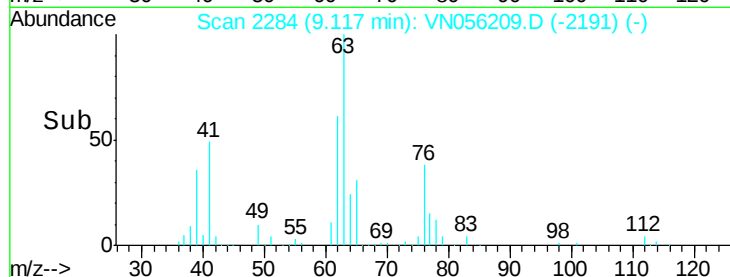
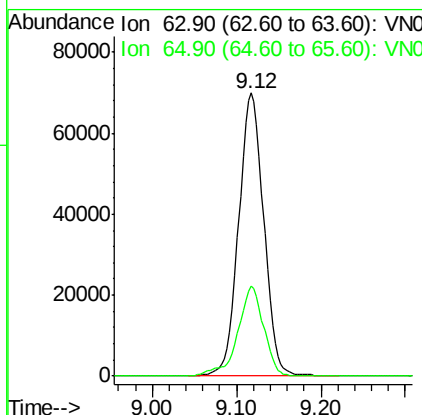
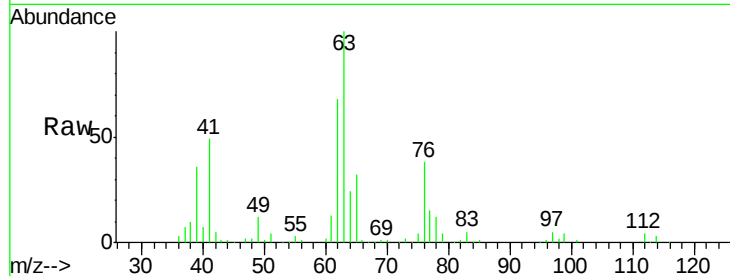
#45
 1,2-Dichloropropane
 Concen: 52.780 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056209.D
 Acq: 11 Jun 2019 9:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 145600
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.6 36.8

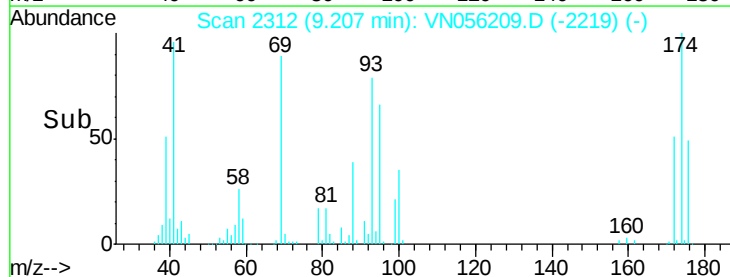
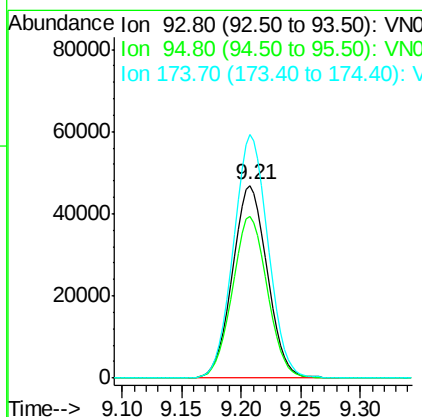
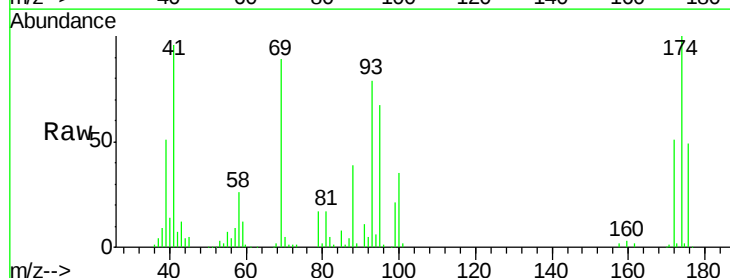
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#46
 Dibromomethane
 Concen: 52.792 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056209.D
 Acq: 11 Jun 2019 9:14

Tgt Ion: 93 Resp: 95234
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.7 100.1
 174 125.6 96.4 144.6





#47

Bromodichloromethane

Concen: 55.766 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Instrument :

MSVOA_N

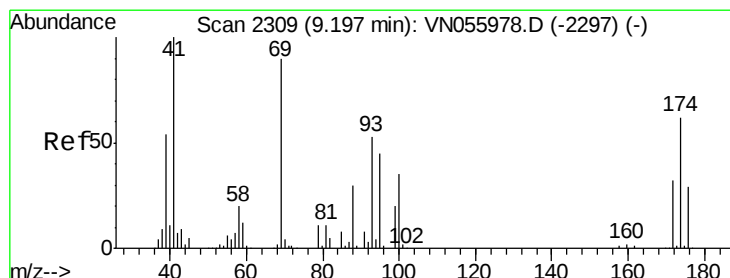
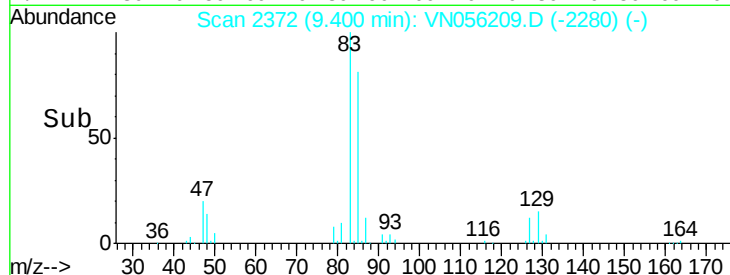
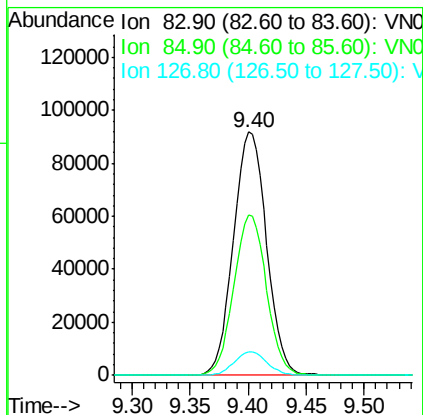
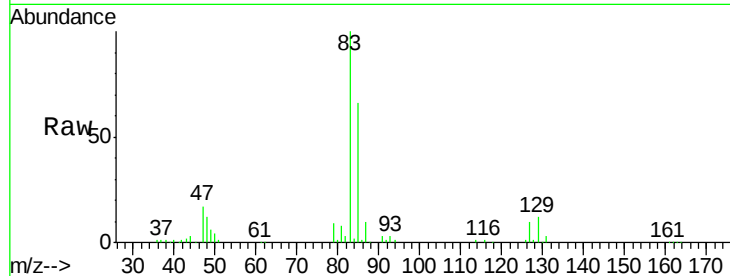
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	182325
Ion Ratio	Lower	Upper	
83	100		
85	66.1	52.2	78.2
127	9.5	7.4	11.0

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#48

Methyl methacrylate

Concen: 53.471 ug/l

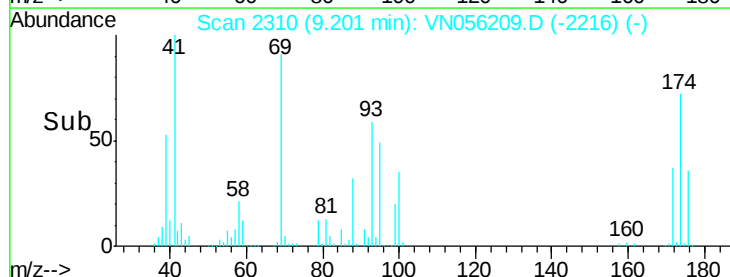
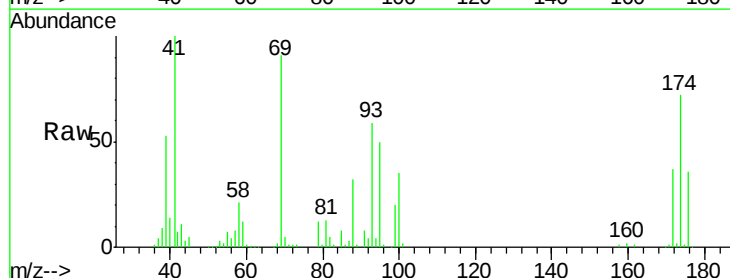
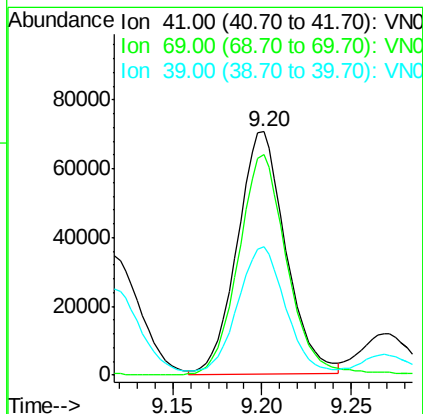
RT: 9.20 min Scan# 2310

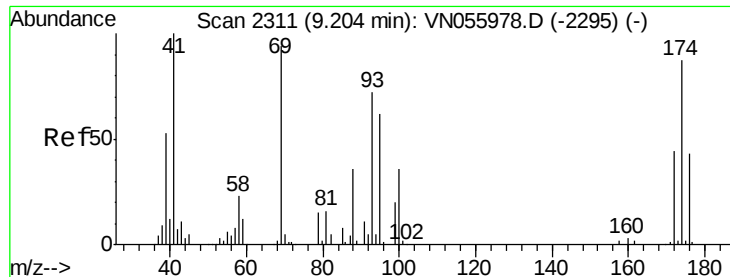
Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Tgt Ion:	41	Resp:	133745
Ion Ratio	Lower	Upper	
41	100		
69	90.8	71.0	106.6
39	52.8	44.2	66.2





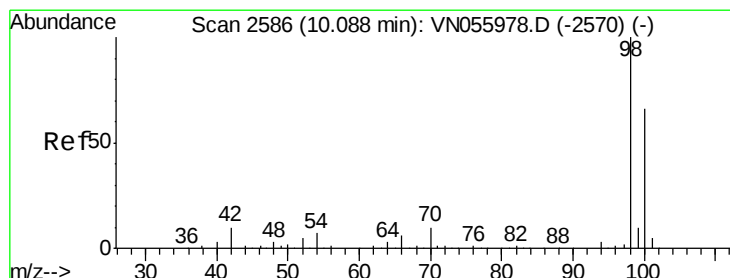
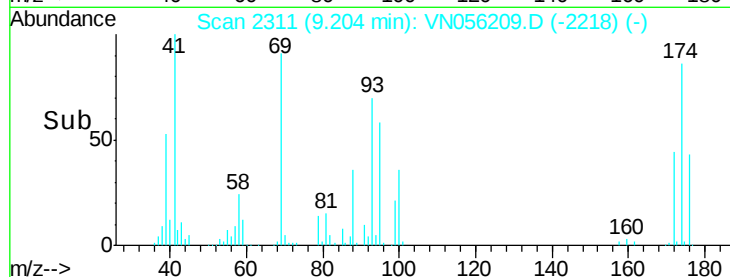
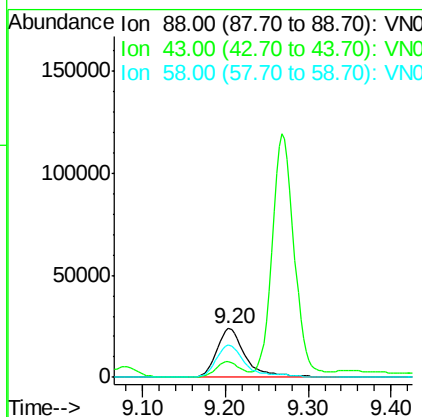
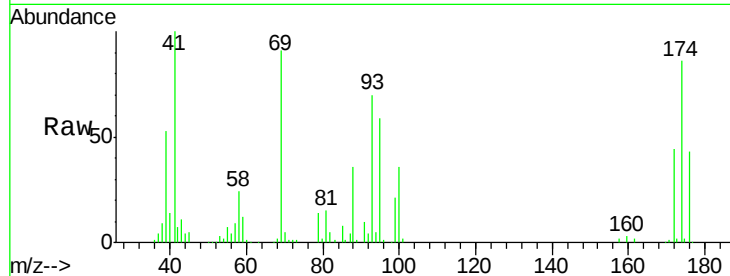
#49
1,4-Dioxane
Concen: 1074.887 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	58043
Ion	Ratio	Lower	Upper
88	100		
43	26.2	20.5	30.7
58	67.6	55.8	83.6

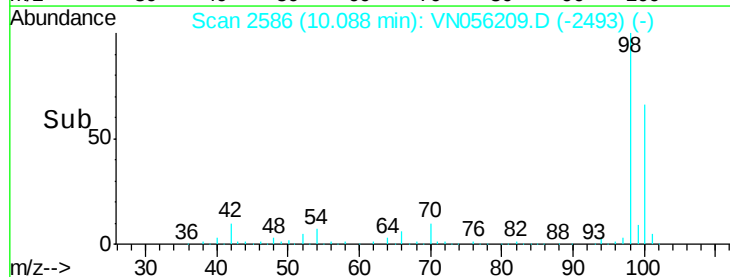
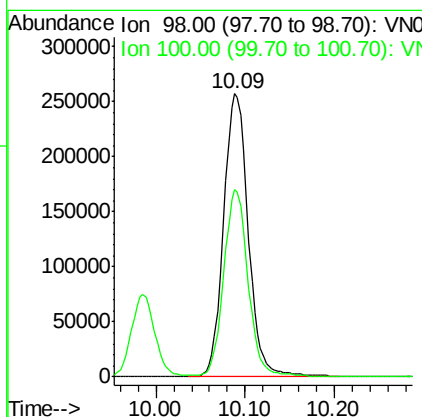
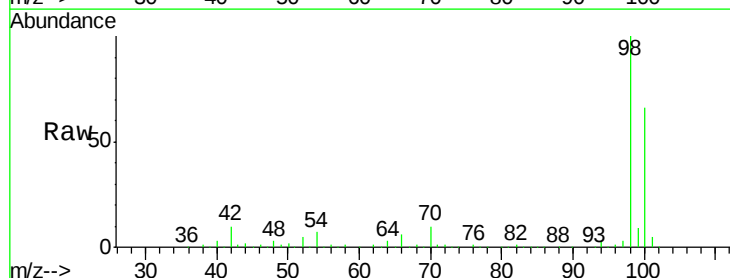
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#50
Toluene-d8
Concen: 50.763 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Tgt Ion	98	Resp	494232
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 271.378 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 867651

Ion Ratio Lower Upper

43 100

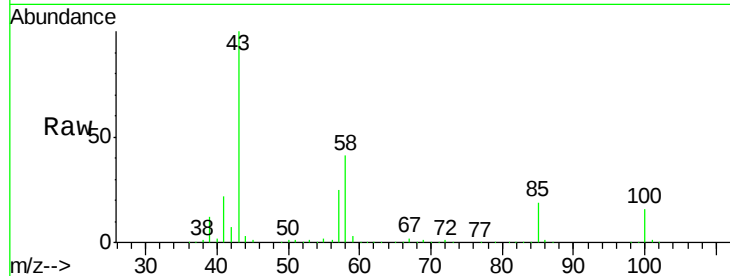
58 40.4 32.1 48.1

Manual Integrations

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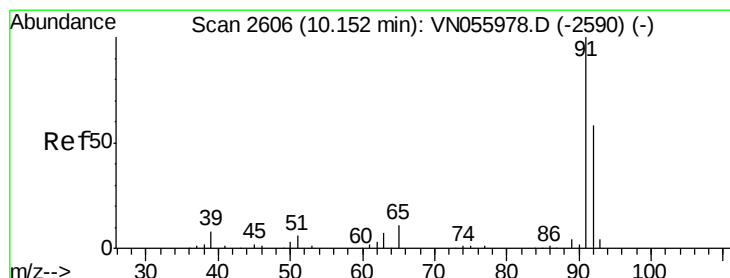
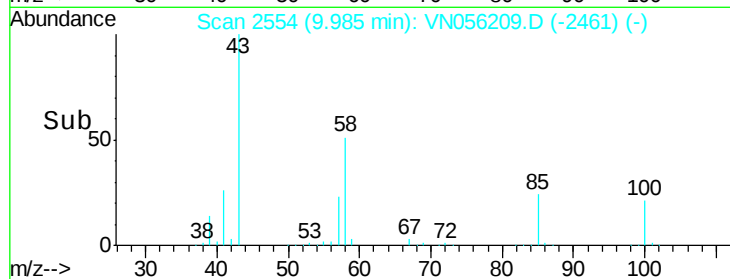
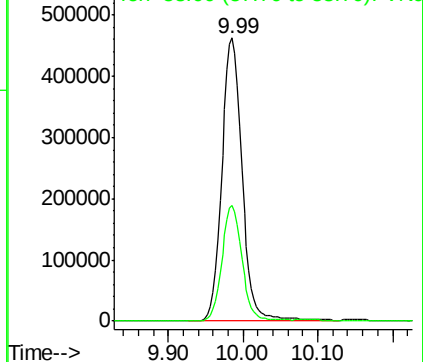
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.644 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056209.D

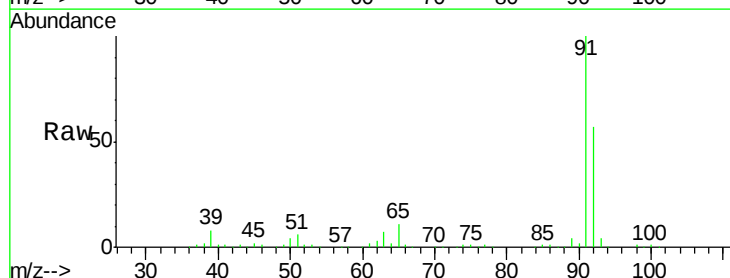
Acq: 11 Jun 2019 9:14

Tgt Ion: 92 Resp: 346102

Ion Ratio Lower Upper

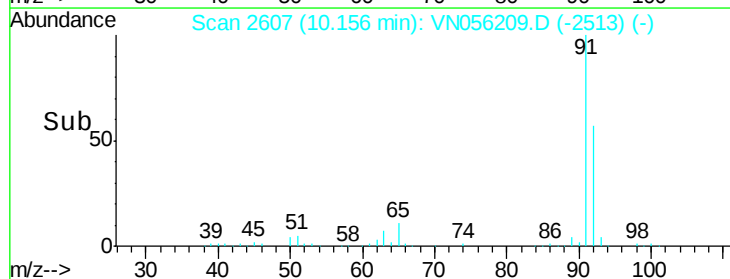
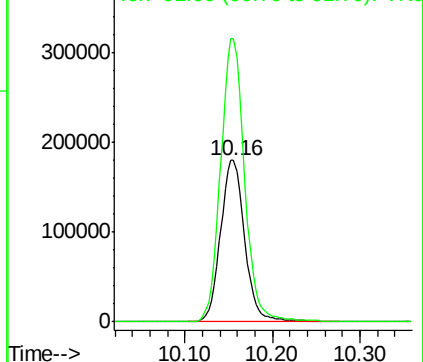
92 100

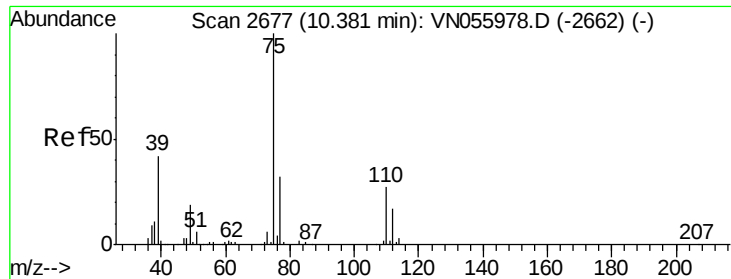
91 173.8 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 47.874 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 183099

Ion Ratio Lower Upper

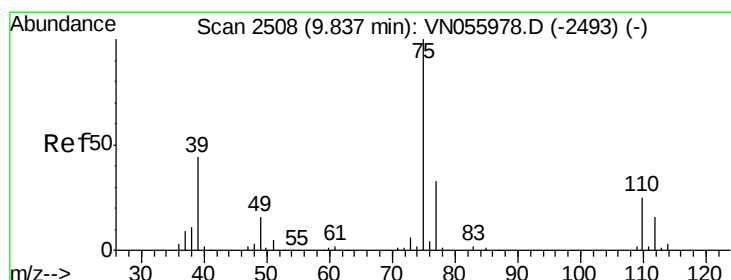
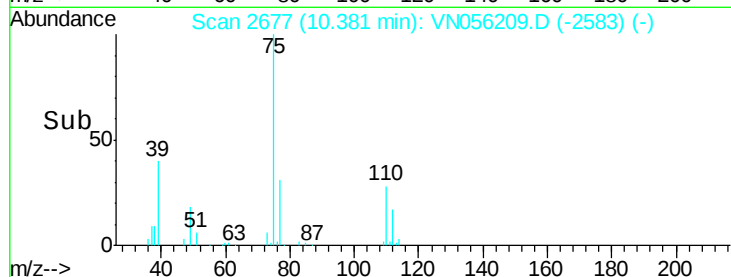
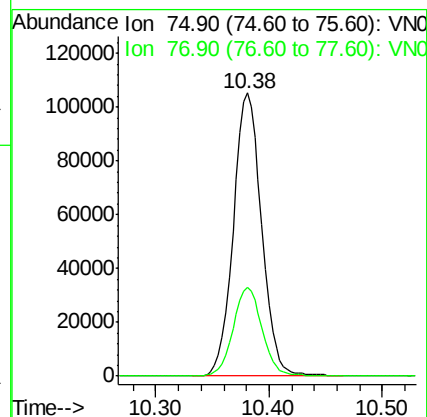
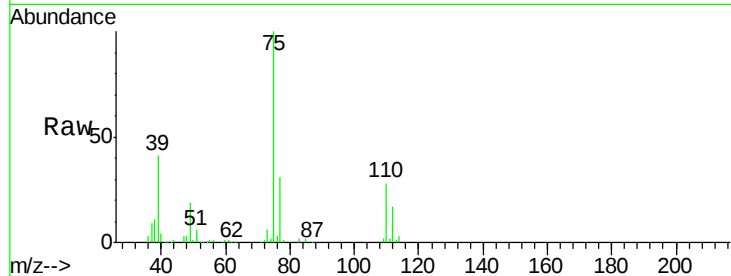
75 100

77 31.3 25.8 38.6

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#54

cis-1,3-Dichloropropene

Concen: 54.470 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

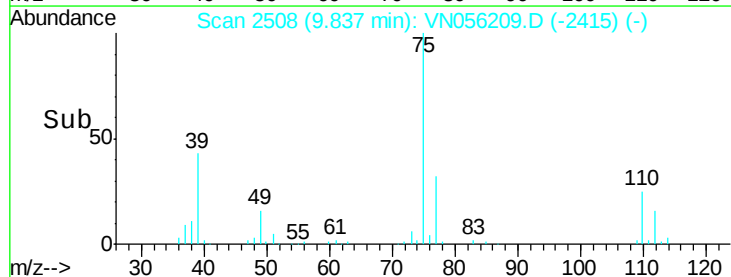
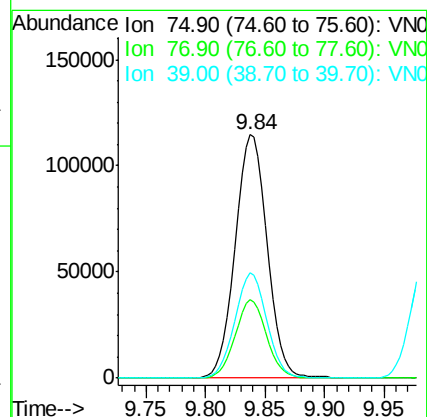
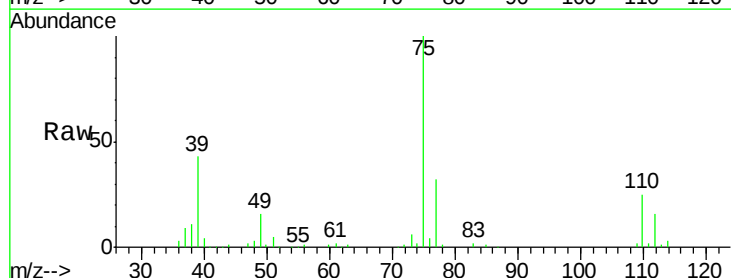
Tgt Ion: 75 Resp: 214066

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0

39 43.1 36.3 54.5





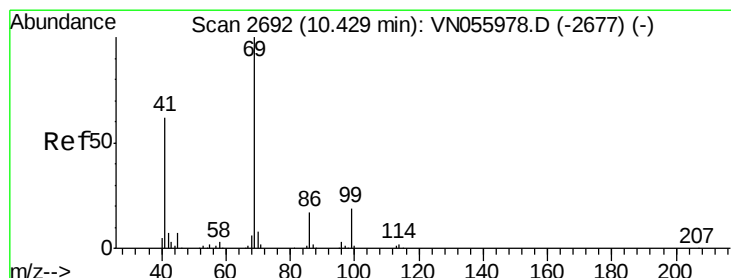
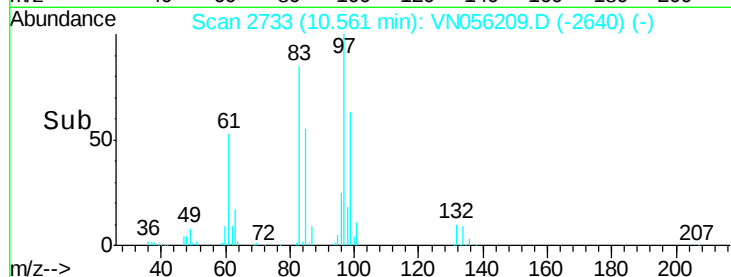
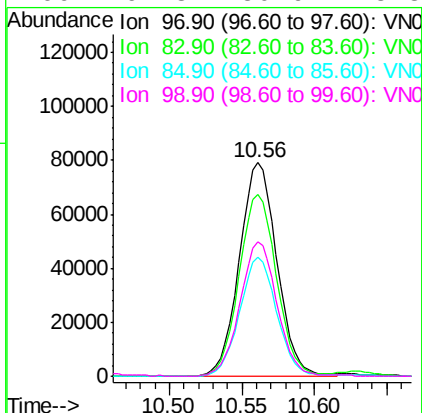
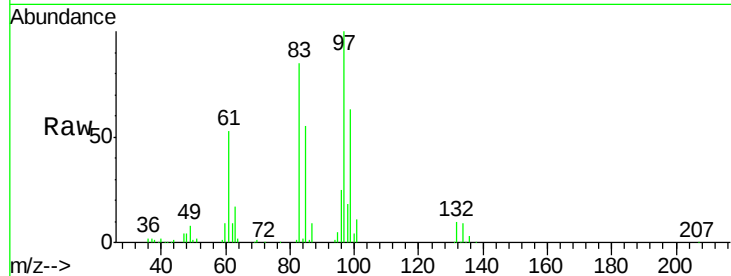
#55
 1,1,2-Trichloroethane
 Concen: 53.687 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056209.D
 Acq: 11 Jun 2019 9:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	142519
Ion	Ratio	Lower	Upper
97	100		
83	85.1	67.0	100.6
85	55.5	44.0	66.0
99	62.8	50.6	75.8

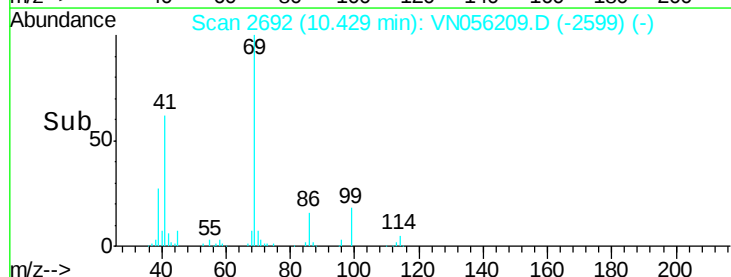
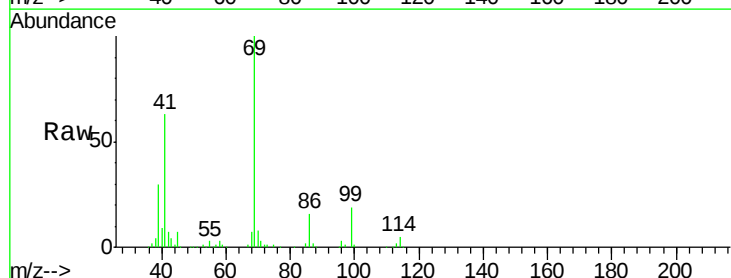
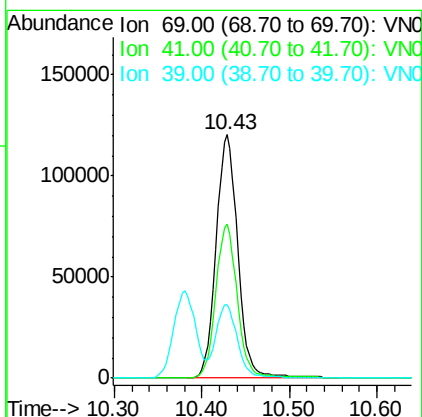
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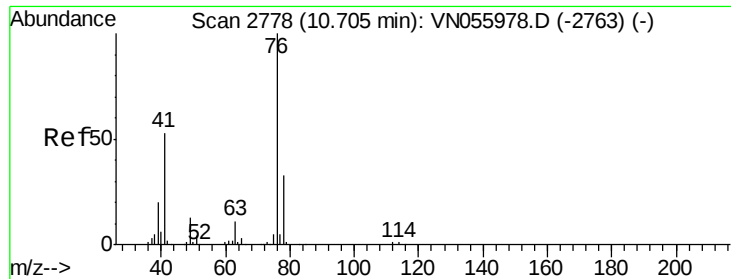
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#56
 Ethyl methacrylate
 Concen: 53.687 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056209.D
 Acq: 11 Jun 2019 9:14

Tgt Ion:	69	Resp:	207919
Ion	Ratio	Lower	Upper
69	100		
41	61.3	49.7	74.5
39	29.3	24.7	37.1





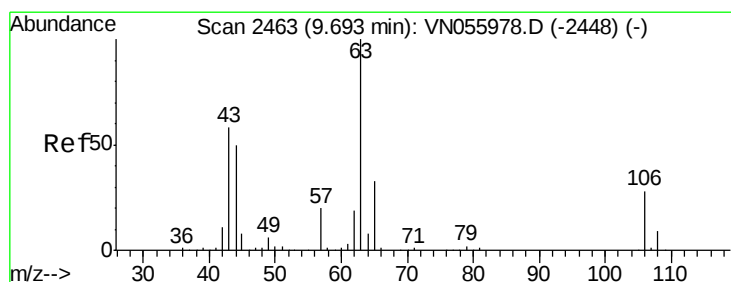
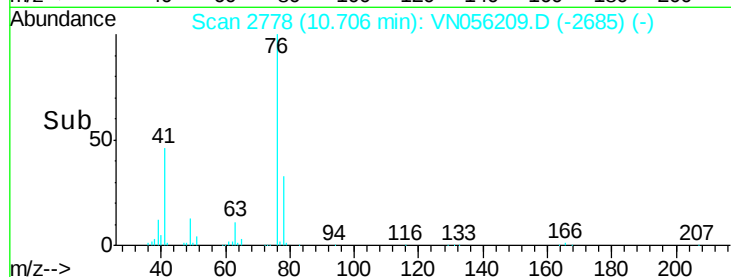
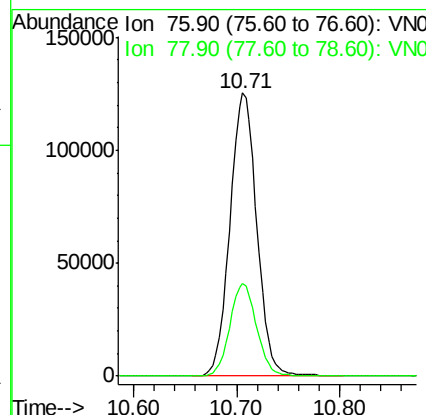
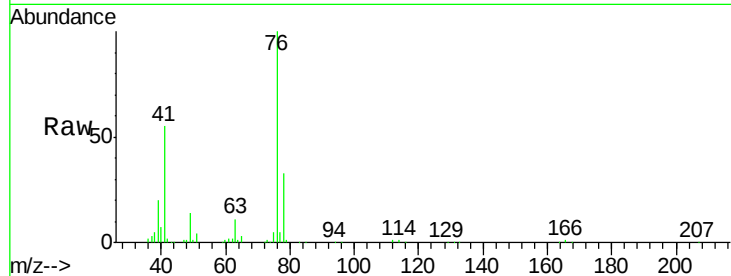
#57
 1,3-Dichloropropane
 Concen: 52.763 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056209.D
 Acq: 11 Jun 2019 9:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 227699
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6

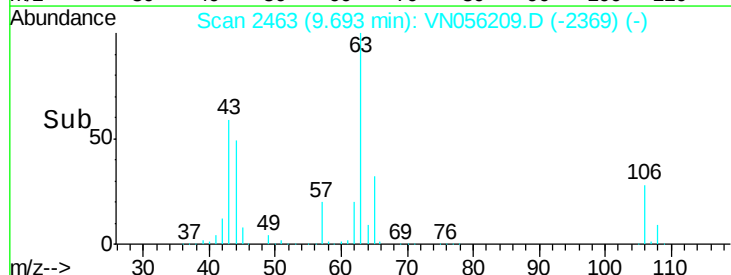
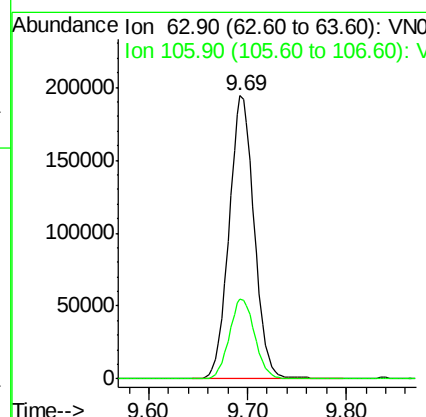
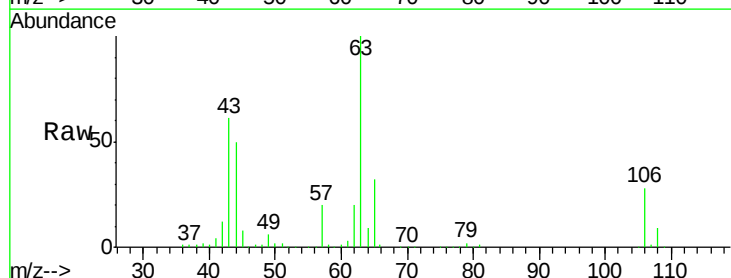
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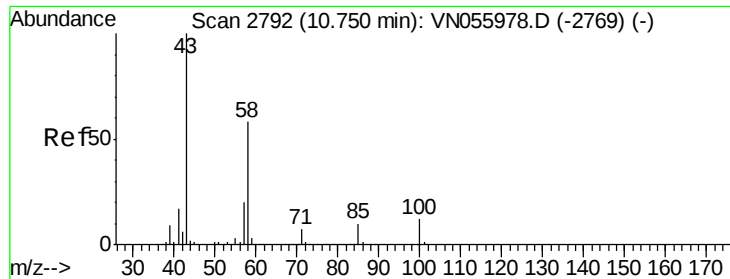
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#58
 2-Chloroethyl Vinyl ether
 Concen: 227.194 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN056209.D
 Acq: 11 Jun 2019 9:14

Tgt Ion: 63 Resp: 346646
 Ion Ratio Lower Upper
 63 100
 106 28.6 22.7 34.1





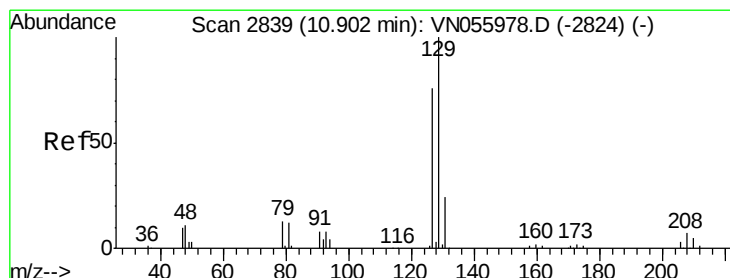
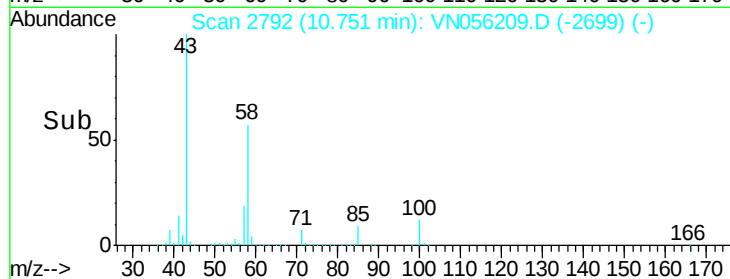
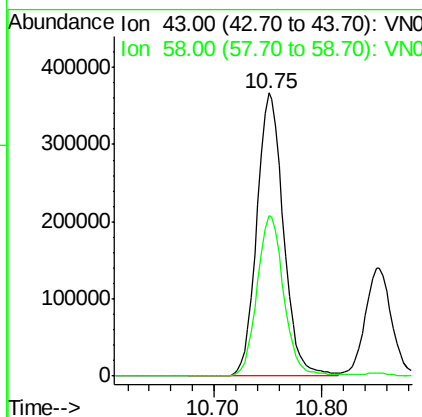
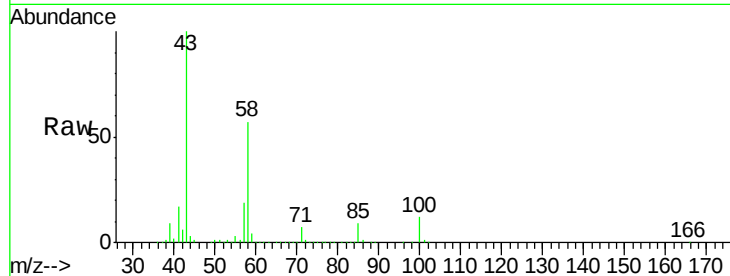
#59
2-Hexanone
Concen: 270.999 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 627974
Ion Ratio Lower Upper
43 100
58 56.9 28.2 84.7

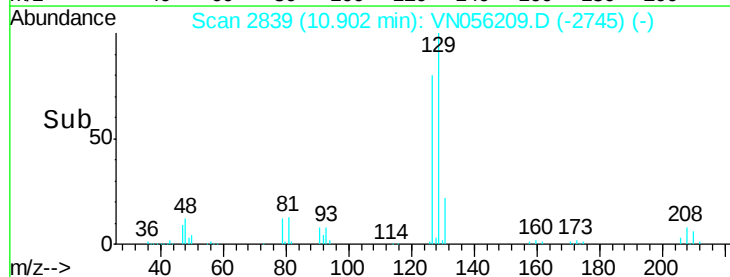
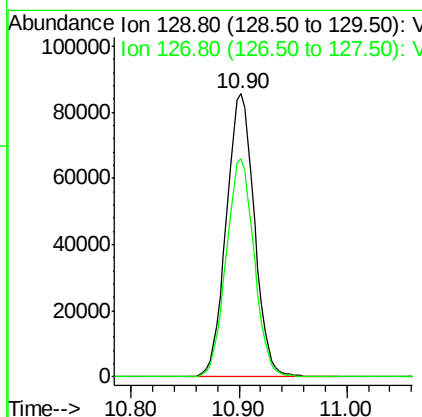
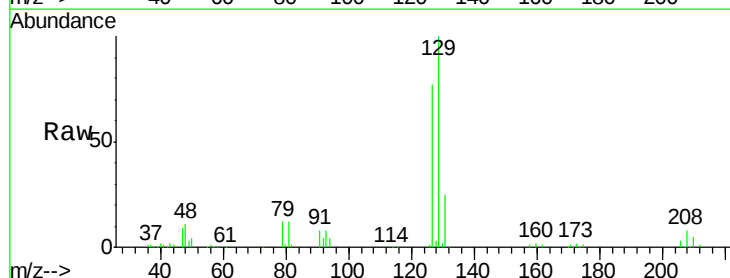
Manual Integrations
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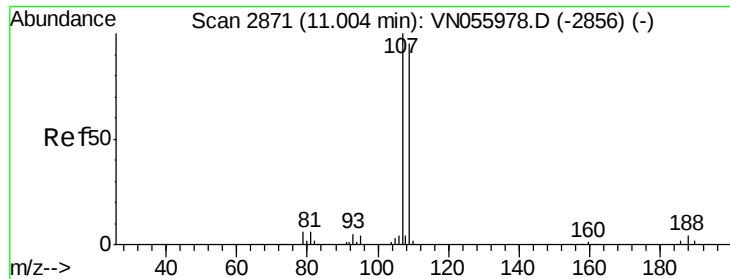
MMDadoda
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#60
Dibromochloromethane
Concen: 53.100 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Tgt Ion: 129 Resp: 155935
Ion Ratio Lower Upper
129 100
127 76.4 38.1 114.3





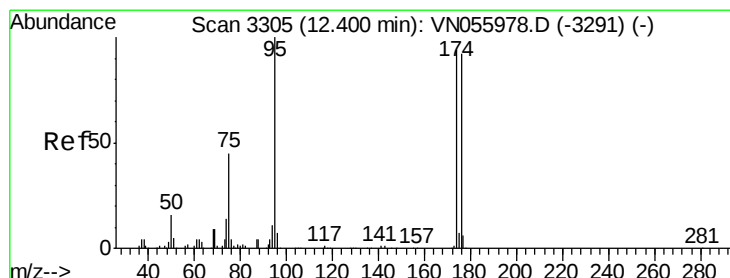
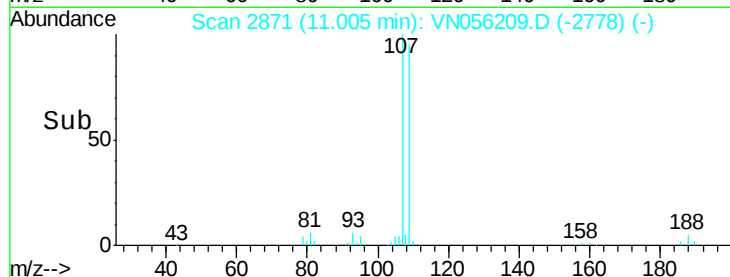
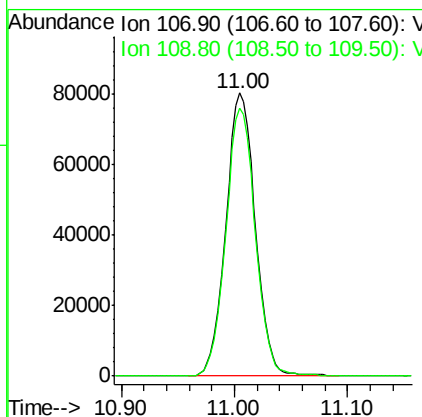
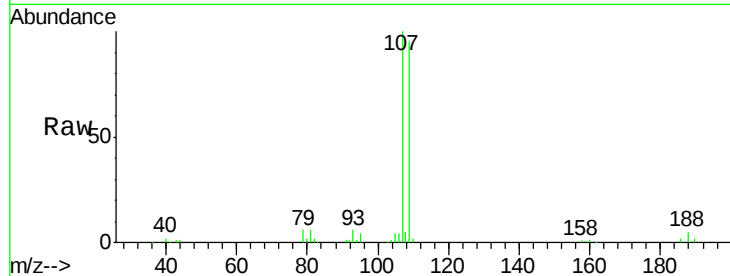
#61
 1,2-Dibromoethane
 Concen: 53.720 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056209.D
 Acq: 11 Jun 2019 9:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 145787
 Ion Ratio Lower Upper
 107 100
 109 95.1 74.8 112.2

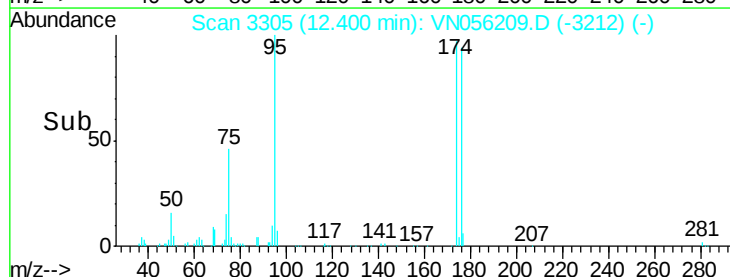
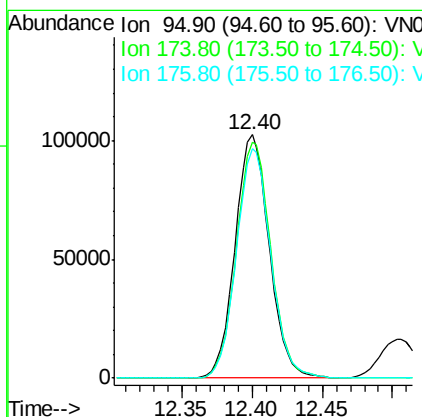
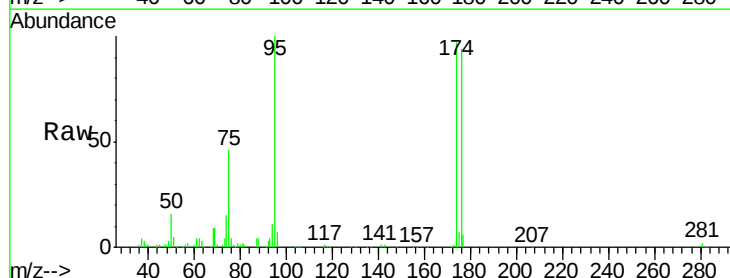
Manual Integrations
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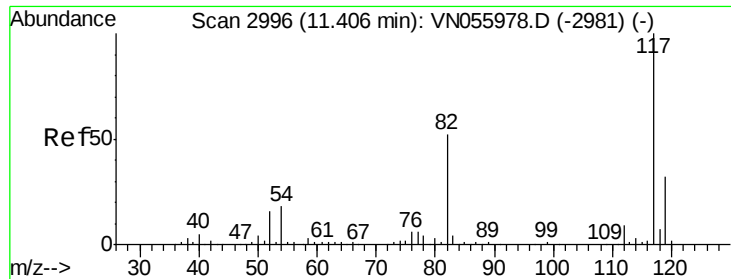
MMDadoda
 6/12/2019 11:11:21 AM



#62
 4-Bromofluorobenzene
 Concen: 52.589 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056209.D
 Acq: 11 Jun 2019 9:14

Tgt Ion: 95 Resp: 174121
 Ion Ratio Lower Upper
 95 100
 174 98.0 0.0 191.0
 176 94.5 0.0 185.2





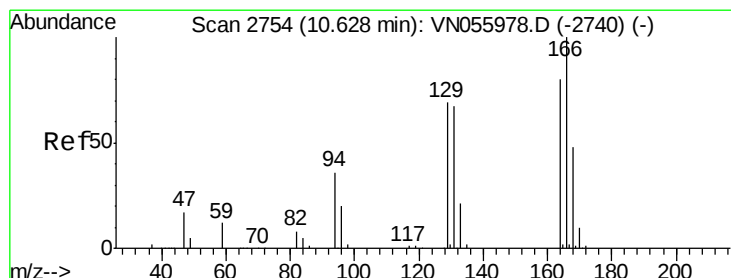
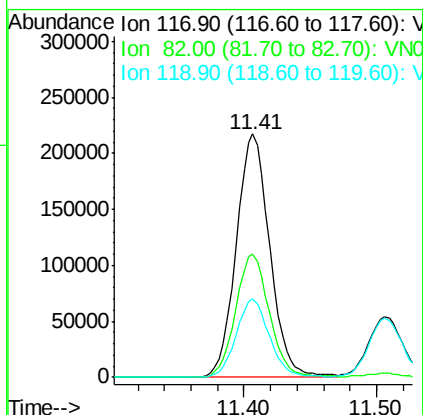
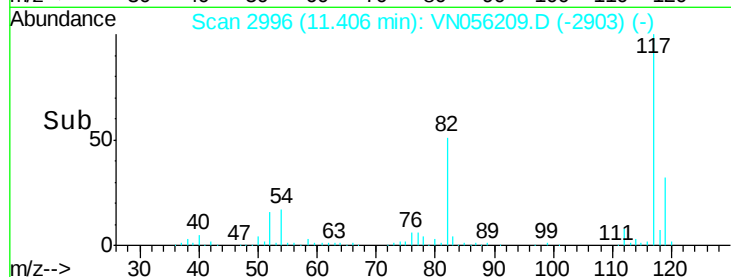
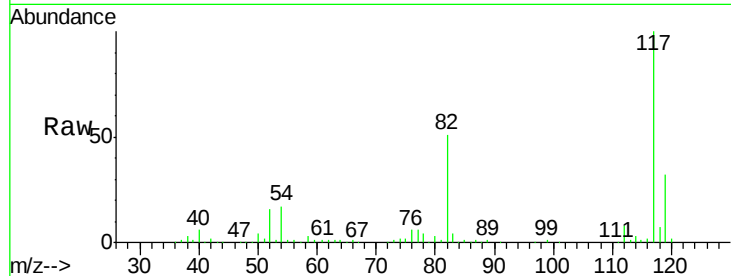
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	41.8	62.8
119	32.0	25.4	38.0

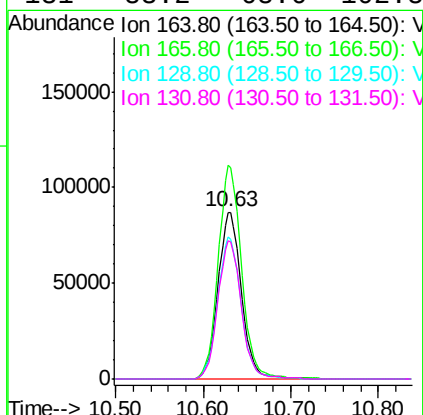
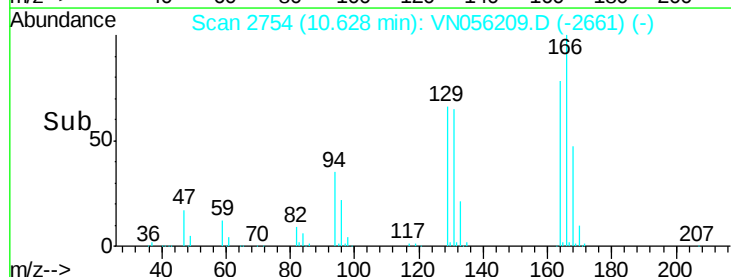
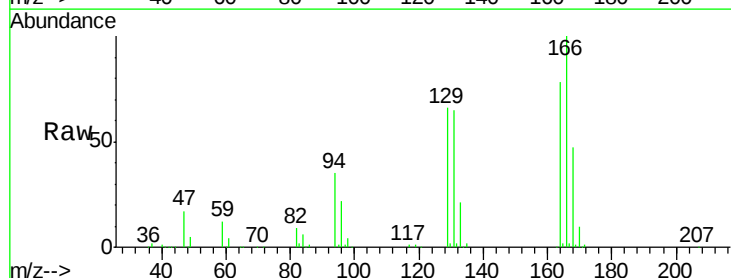
Manual Integrations
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#64
Tetrachloroethene
Concen: 48.830 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	103.0	154.6
129	85.2	70.6	105.8
131	83.2	68.6	102.8





#65

Chlorobenzene

Concen: 50.002 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 380820

Ion Ratio Lower Upper

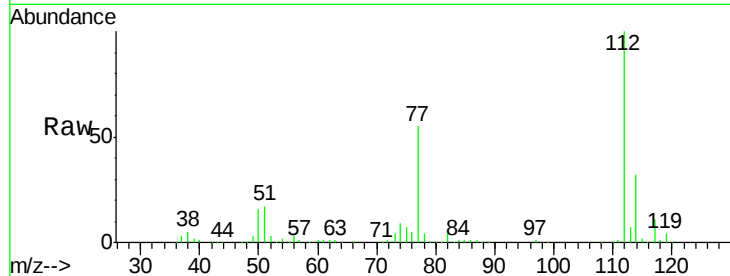
112 100

114 31.8 26.2 39.4

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

250000

200000

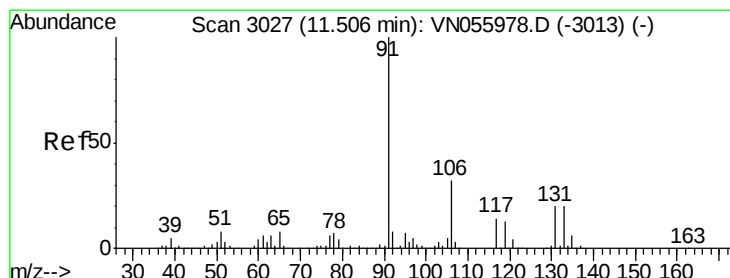
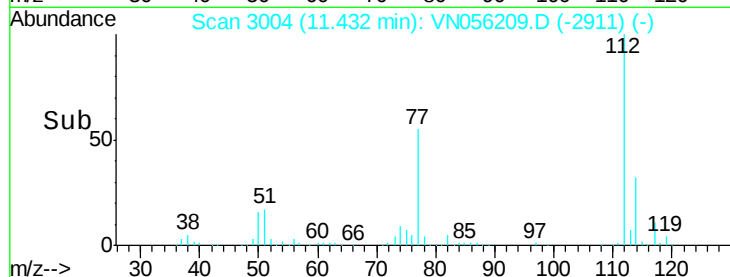
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.787 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

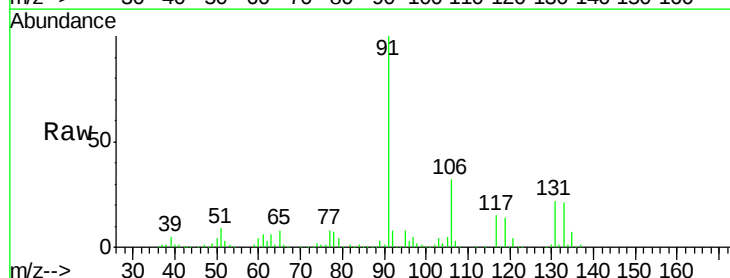
Tgt Ion:131 Resp: 141445

Ion Ratio Lower Upper

131 100

133 97.0 48.0 144.0

119 66.6 33.1 99.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

100000

80000

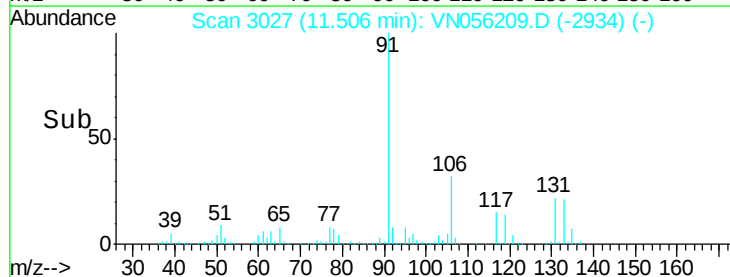
60000

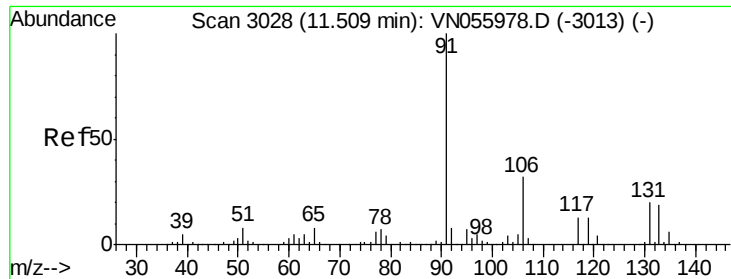
40000

20000

0

Time-->





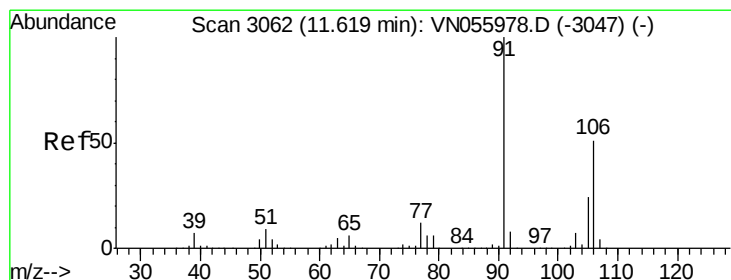
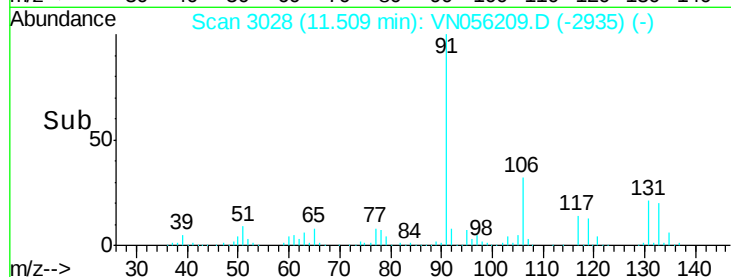
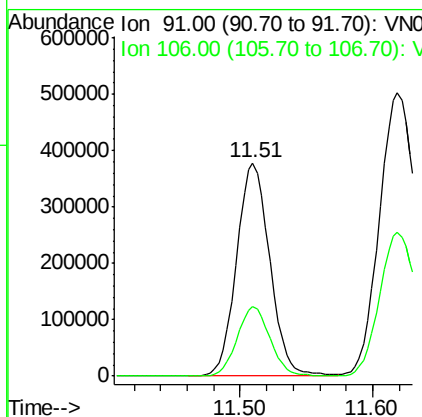
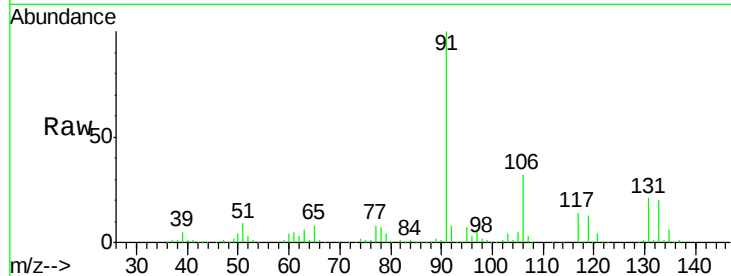
#67
Ethyl Benzene
Concen: 49.808 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 659613
Ion Ratio Lower Upper
91 100
106 32.4 25.1 37.7

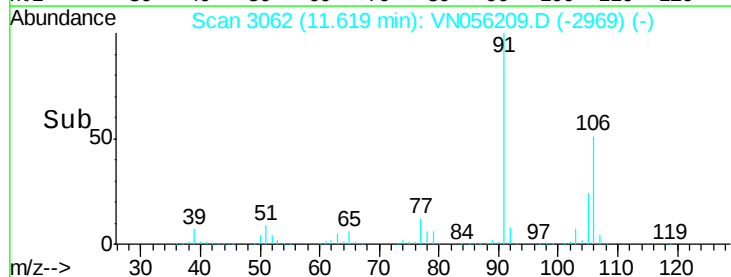
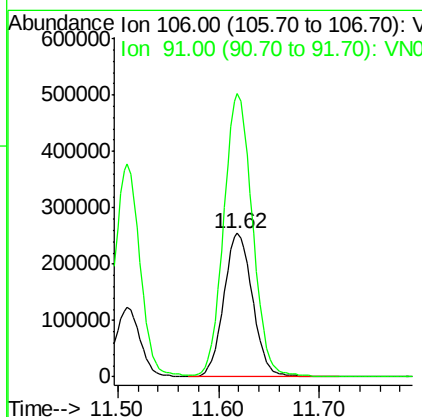
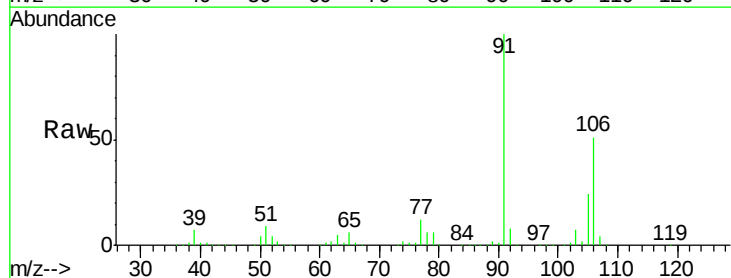
Manual Integrations
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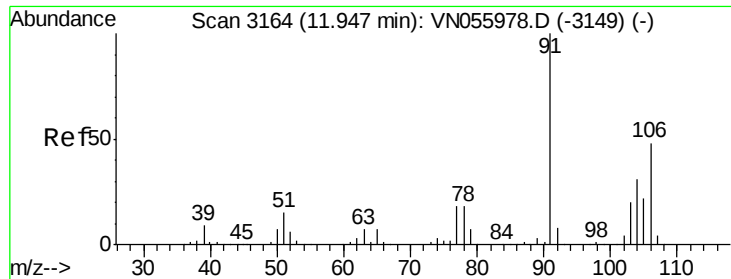
MMDadoda
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#68
m/p-Xylenes
Concen: 100.446 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Tgt Ion: 106 Resp: 508154
Ion Ratio Lower Upper
106 100
91 197.1 159.3 238.9





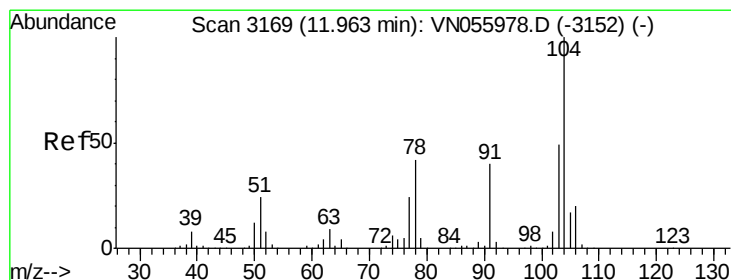
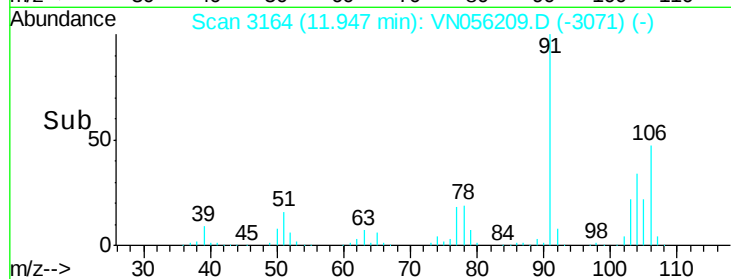
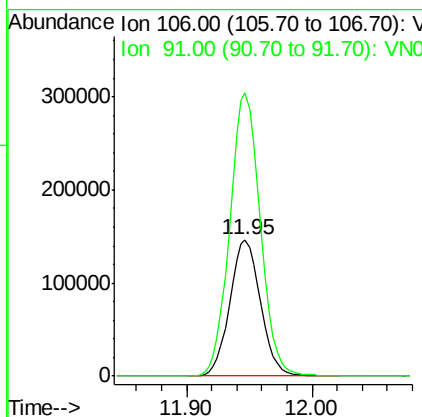
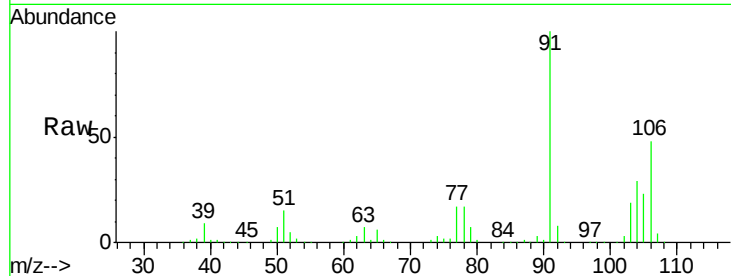
#69
o-Xylene
Concen: 49.934 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 248489
Ion Ratio Lower Upper
106 100
91 206.5 104.7 314.1

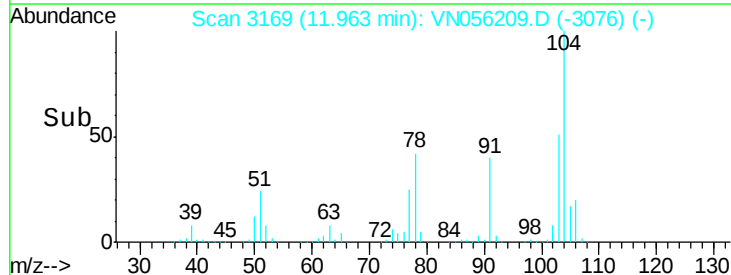
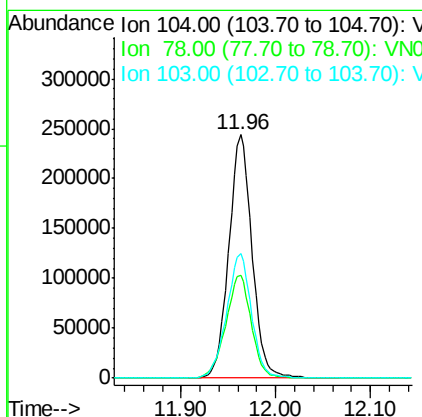
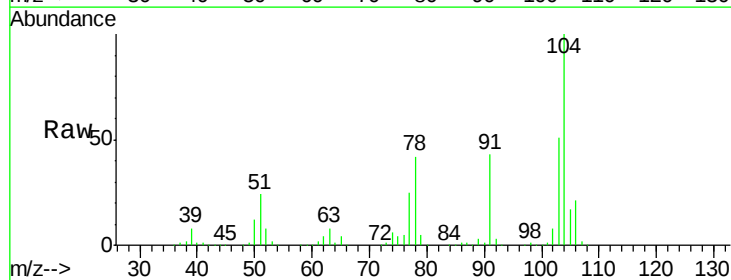
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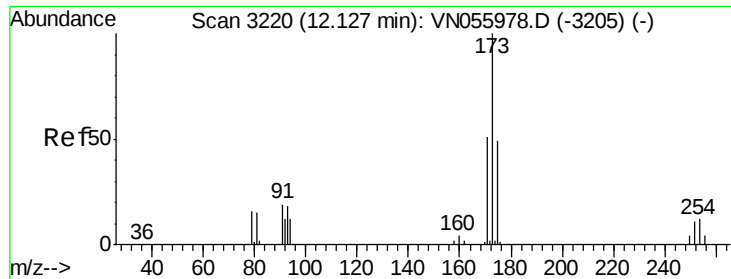
MMDadoda
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#70
Styrene
Concen: 52.668 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Tgt Ion:104 Resp: 416427
Ion Ratio Lower Upper
104 100
78 46.6 37.8 56.6
103 55.0 44.2 66.2





#71

Bromoform

Concen: 52.420 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Instrument :

MSVOA_N

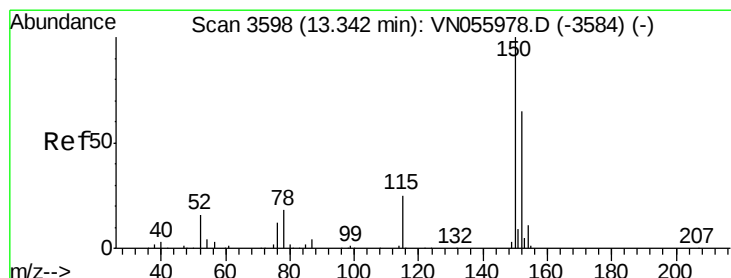
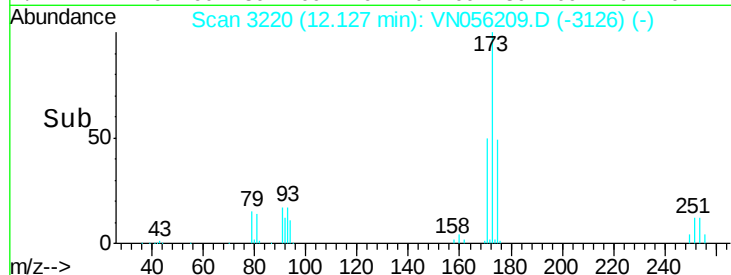
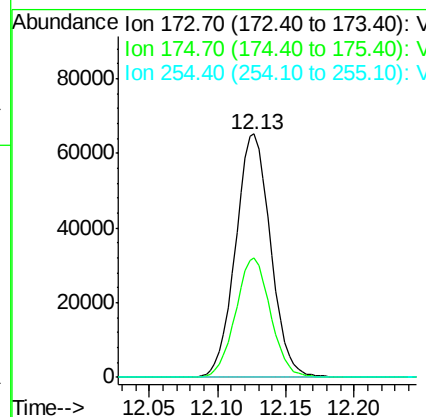
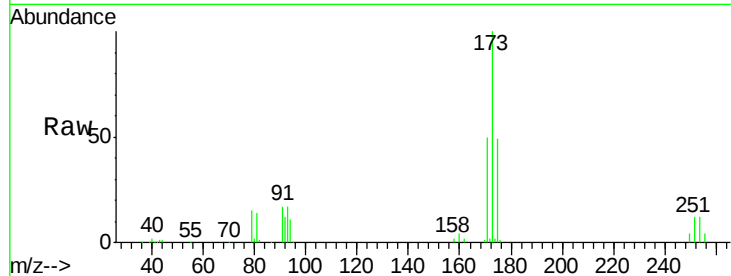
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

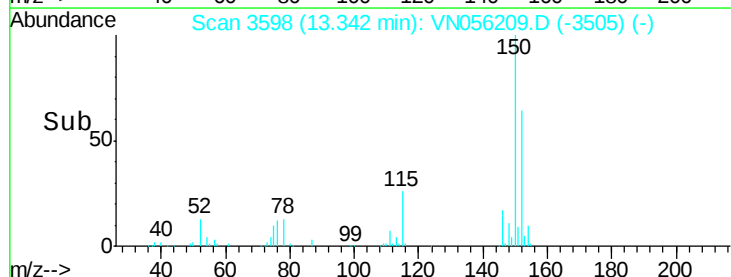
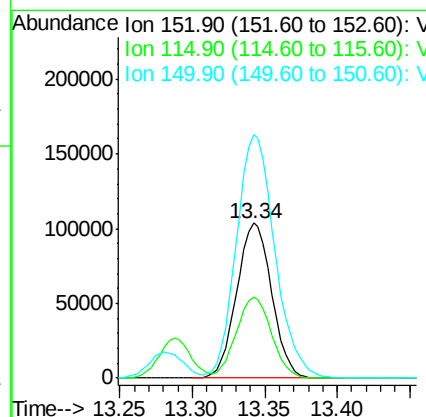
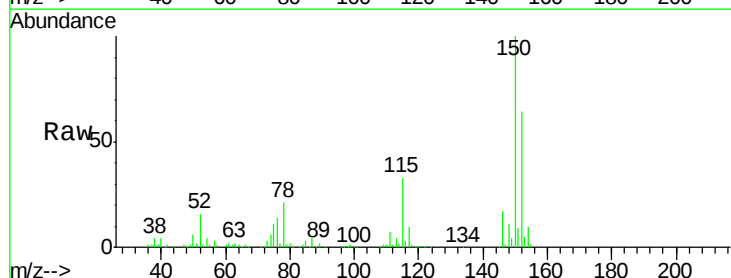
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.4	27.0	81.0
150	172.8	0.0	343.2





#73

Isopropylbenzene

Concen: 53.088 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 657050

Ion Ratio Lower Upper

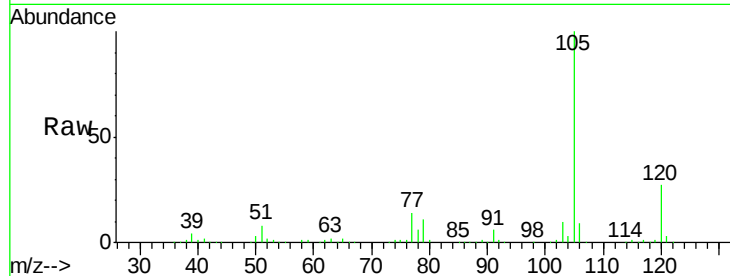
105 100

120 27.1 13.6 40.7

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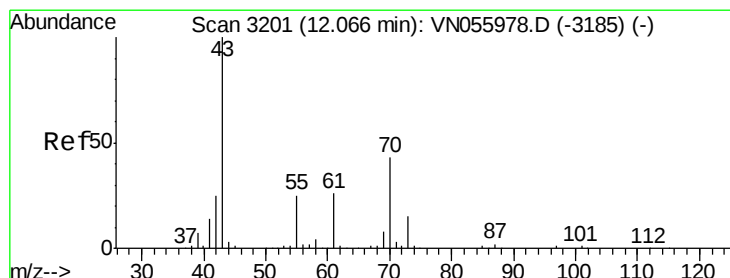
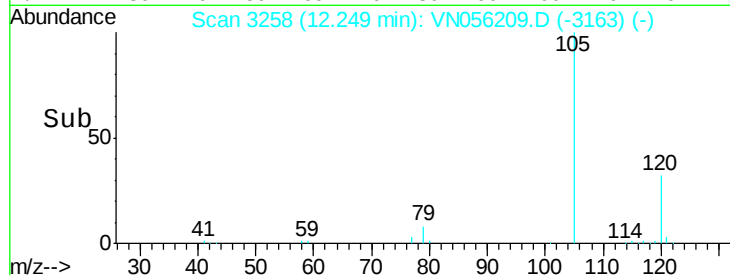
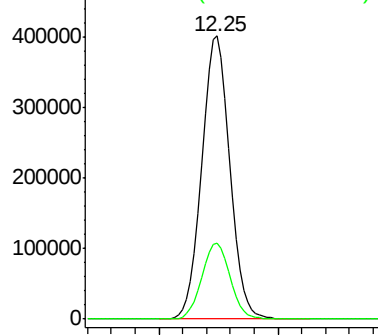
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.461 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Tgt Ion: 43 Resp: 220290

Ion Ratio Lower Upper

43 100

70 44.8 34.0 51.0

55 25.6 18.6 28.0

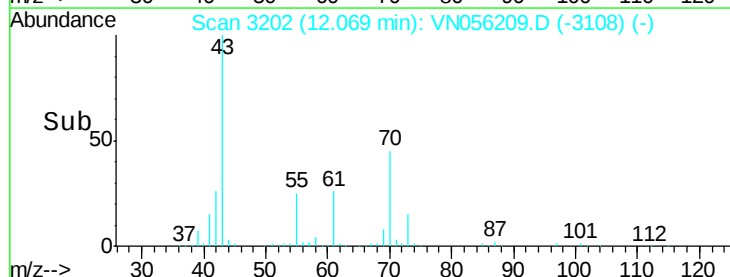
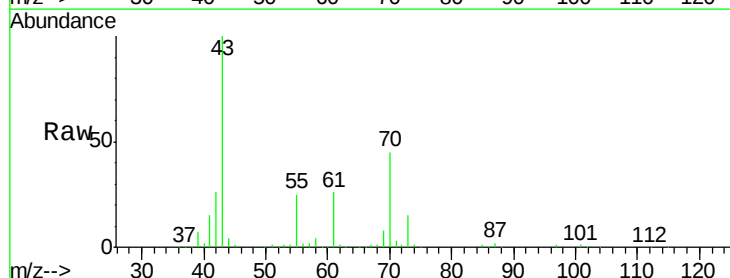
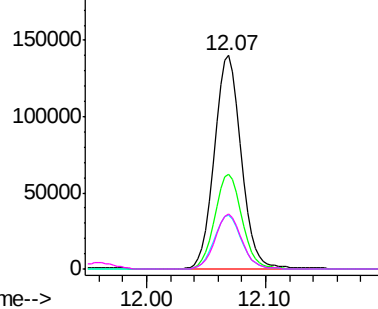
61 25.3 20.0 30.0

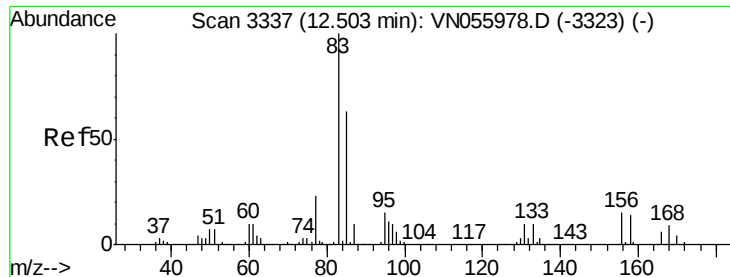
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.351 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Instrument :

MSVOA_N

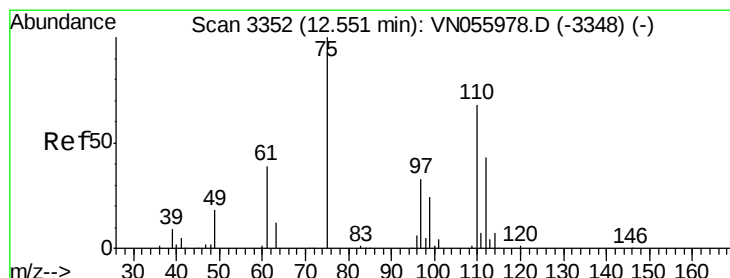
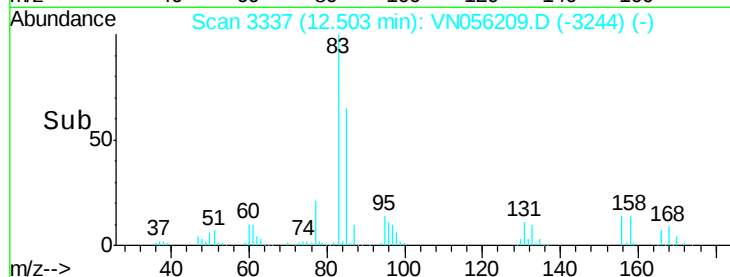
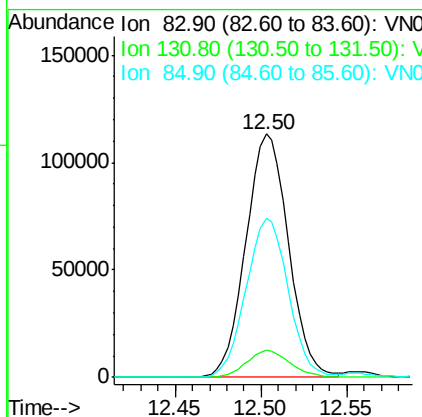
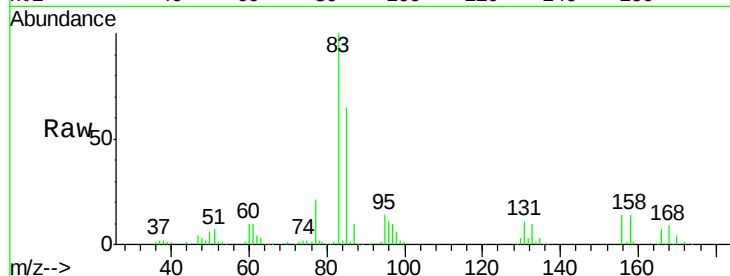
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	195441
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.4	16.2
85	64.5	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.541 ug/l m

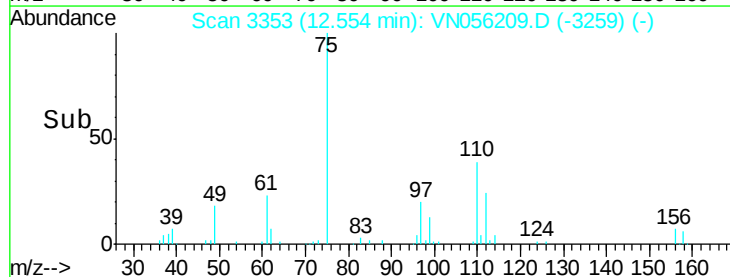
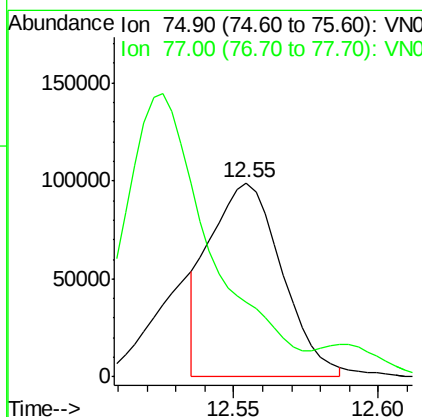
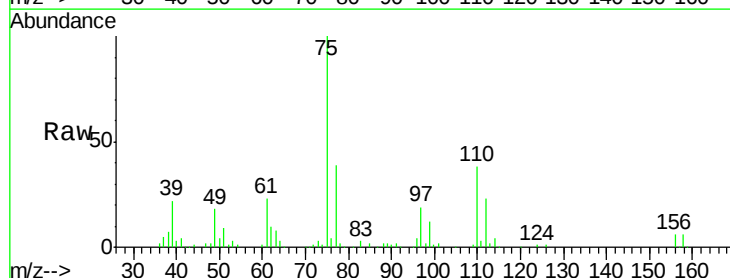
RT: 12.55 min Scan# 3353

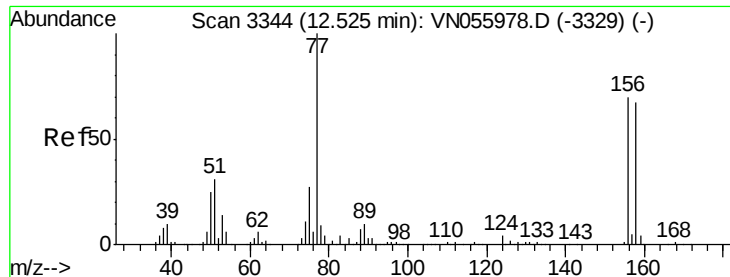
Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Tgt Ion:	75	Resp:	171543
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.648 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Instrument :

MSVOA_N

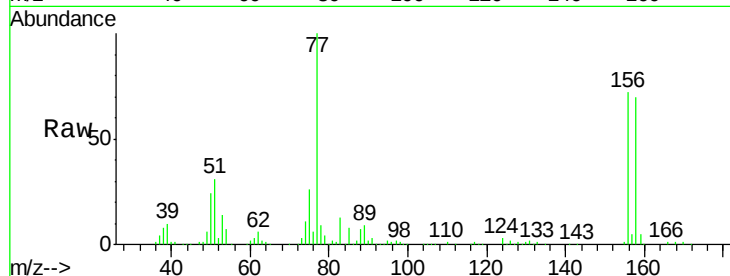
ClientSampleId :

VSTDCCC050

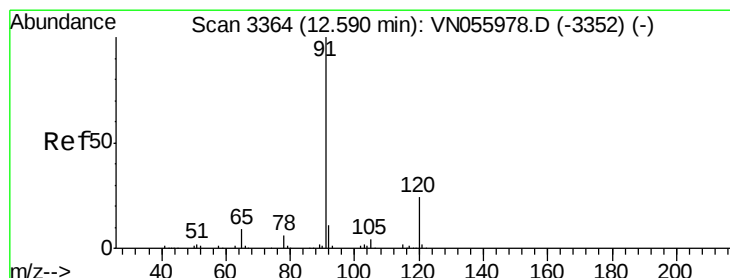
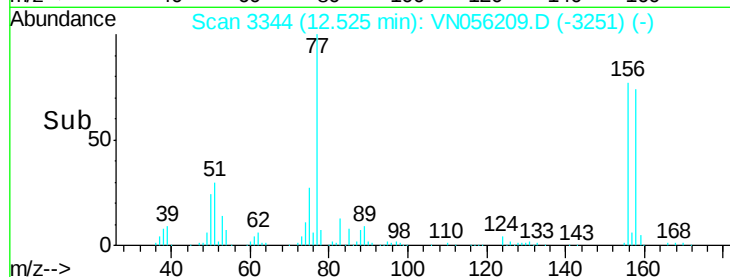
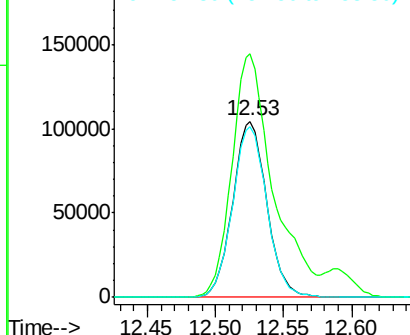
Tot Ion:	156	Resp:	181358
Ion Ratio	Lower	Upper	
156	100		
77	168.6	90.8	272.5
158	97.9	49.3	147.8

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.317 ug/l

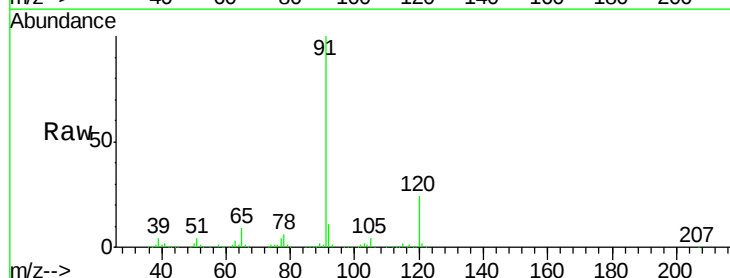
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

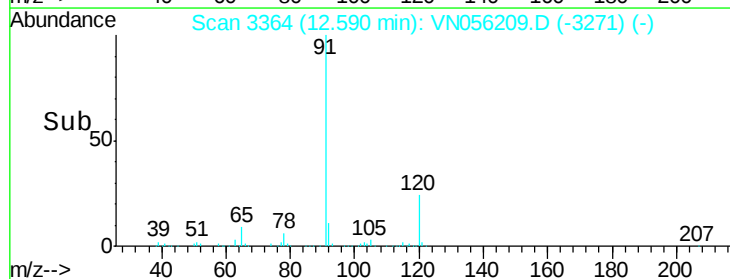
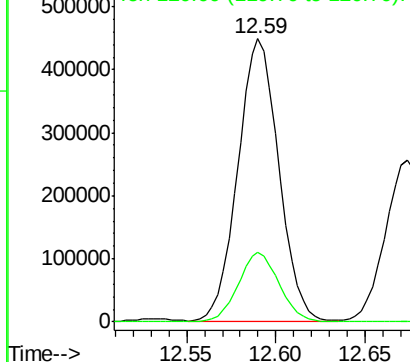
Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Tgt Ion:	91	Resp:	711741
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





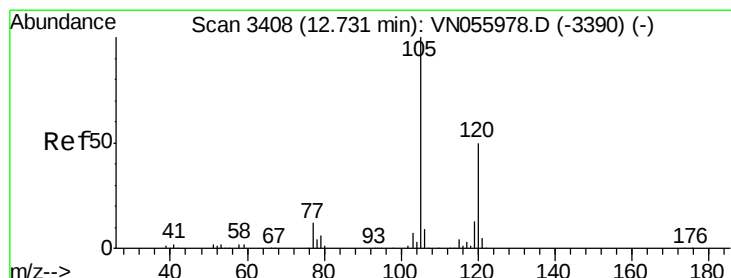
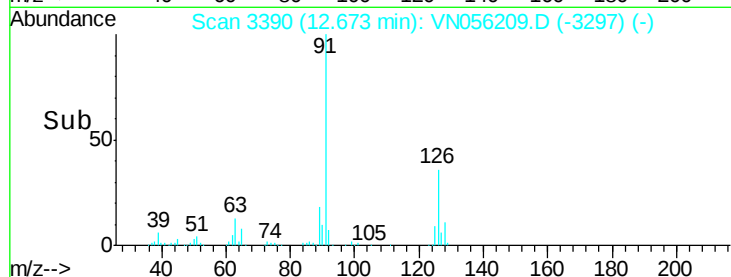
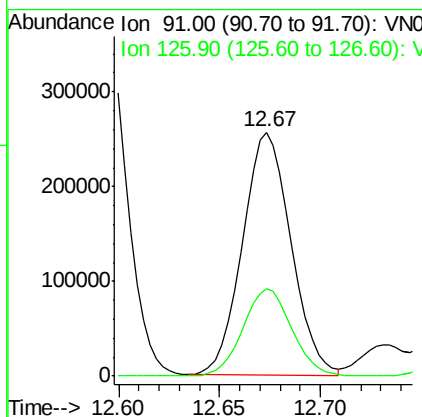
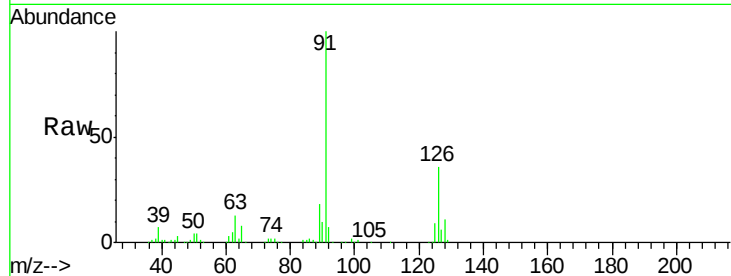
#79
 2-Chlorotoluene
 Concen: 52.896 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056209.D
 Acq: 11 Jun 2019 9:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 431098
 Ion Ratio Lower Upper
 91 100
 126 36.4 18.1 54.4

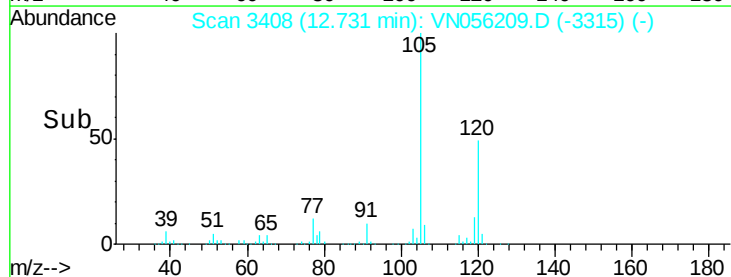
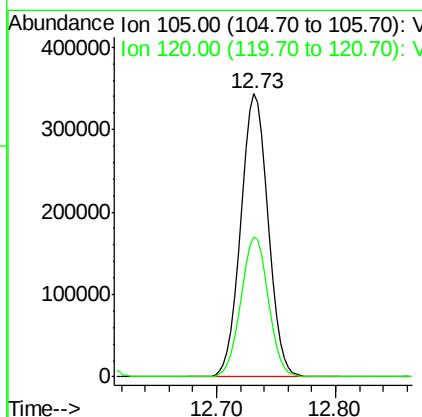
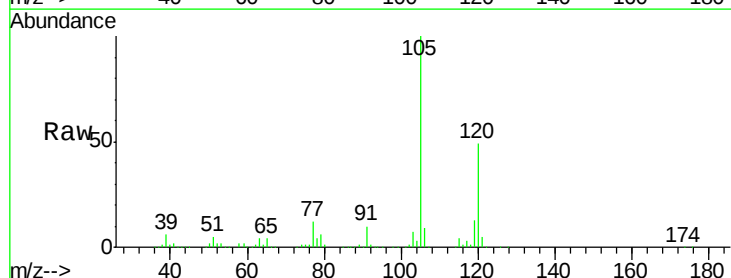
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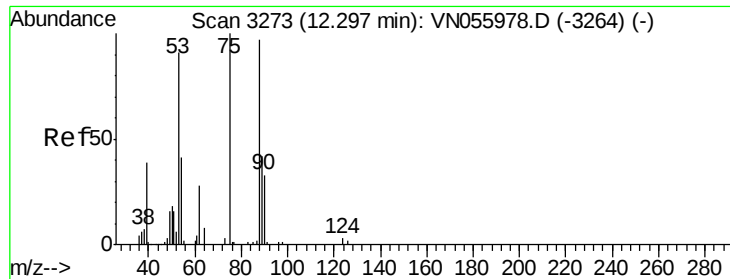
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#80
 1,3,5-Trimethylbenzene
 Concen: 46.592 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056209.D
 Acq: 11 Jun 2019 9:14

Tgt Ion: 105 Resp: 545463
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.7 74.1





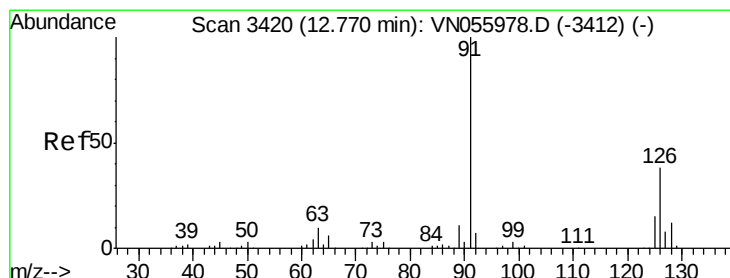
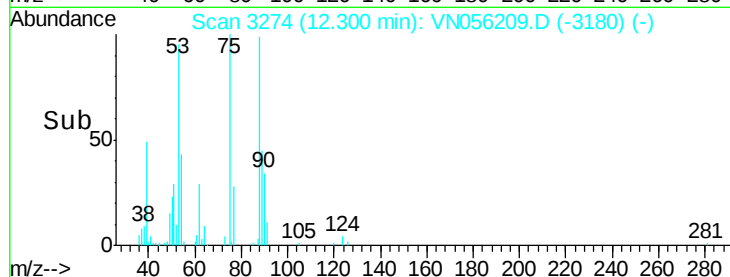
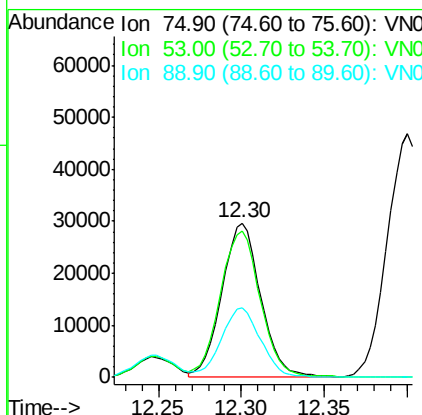
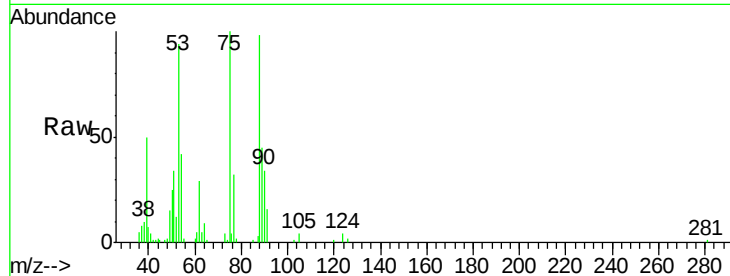
#81
trans-1,4-Dichloro-2-butene
Concen: 50.454 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.0	68.1	102.1
89	45.5	36.9	55.3

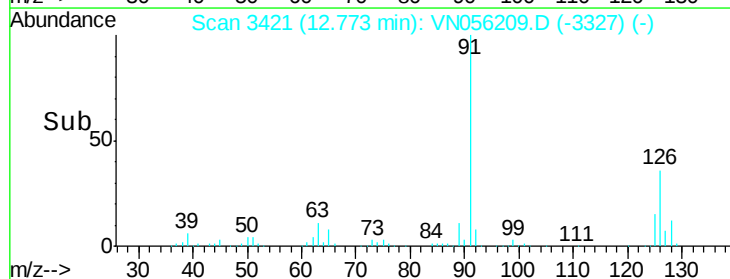
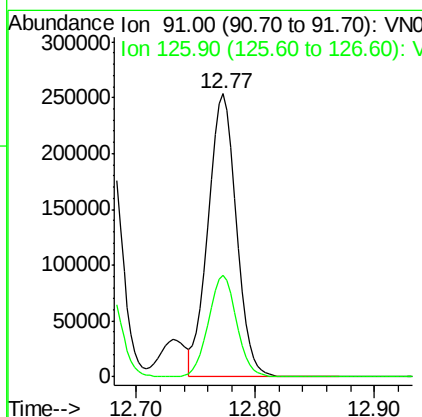
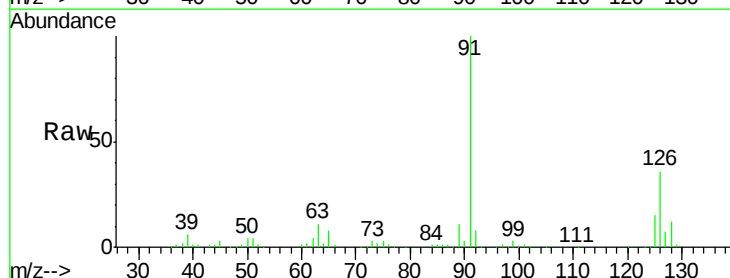
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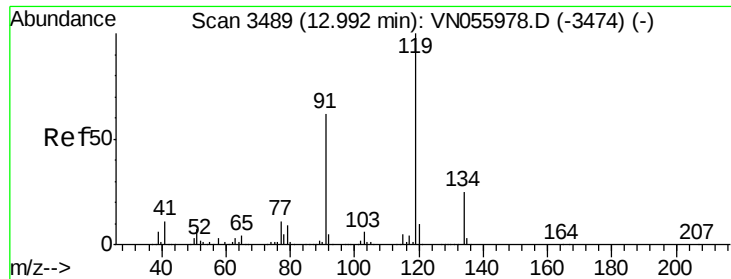
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#82
4-Chlorotoluene
Concen: 48.375 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.8	53.3





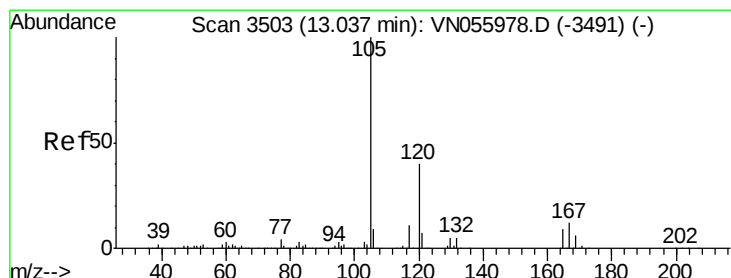
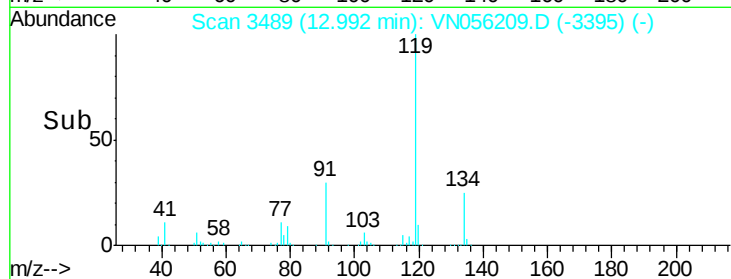
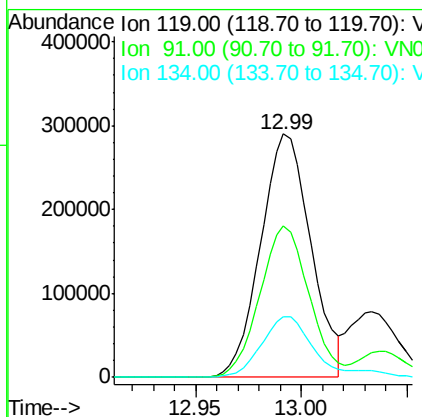
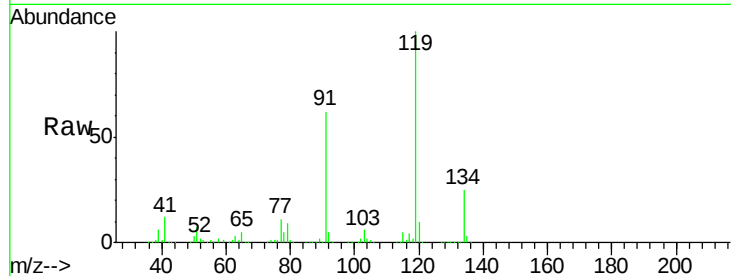
#83
tert-Butylbenzene
Concen: 53.068 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	480525		
91	61.0		30.9	92.8
134	26.7		13.3	39.8

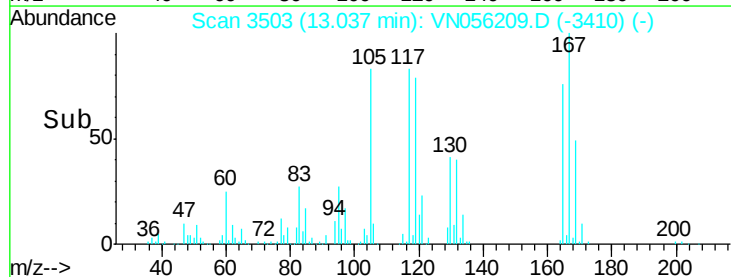
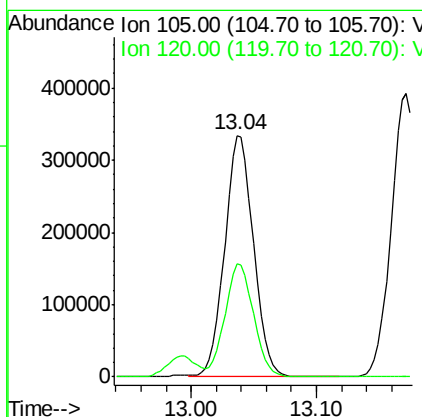
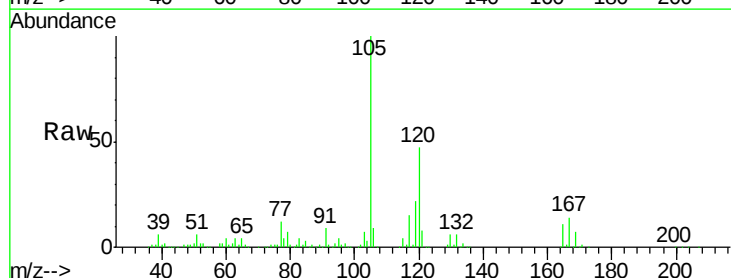
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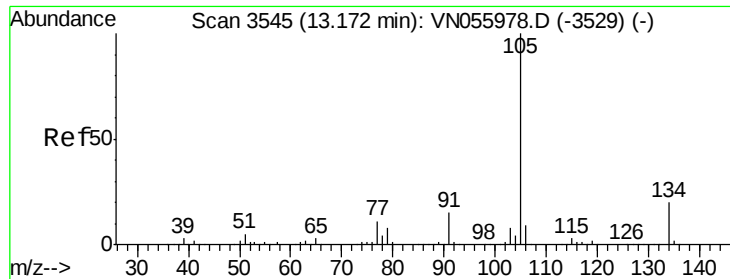
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#84
1,2,4-Trimethylbenzene
Concen: 48.144 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	534493		
120	46.7		23.0	69.0





#85

sec-Butylbenzene

Concen: 48.020 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 626445

Ion Ratio Lower Upper

105 100

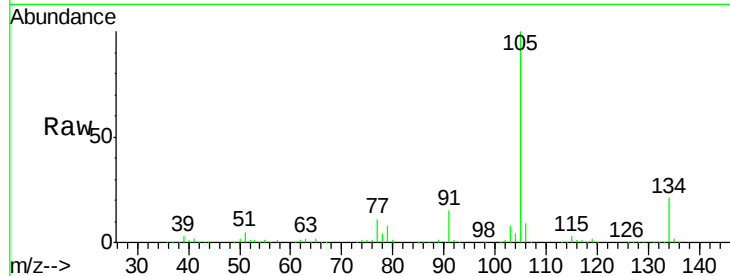
134 21.1 10.4 31.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

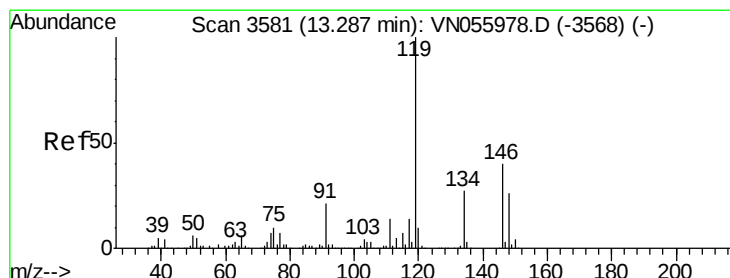
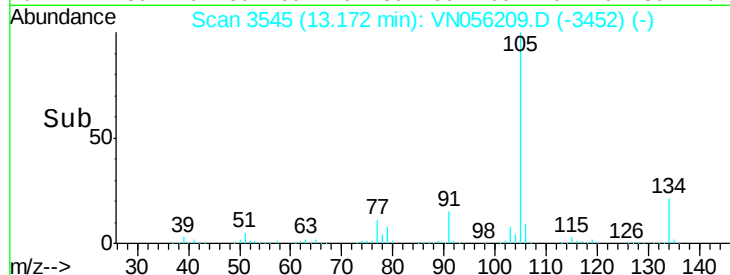
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 48.839 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

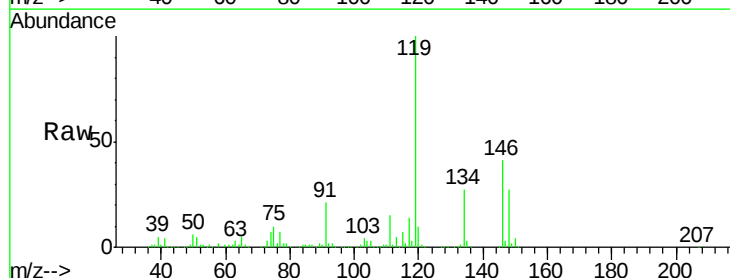
Tgt Ion:119 Resp: 570199

Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.1

91 21.3 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

500000

400000

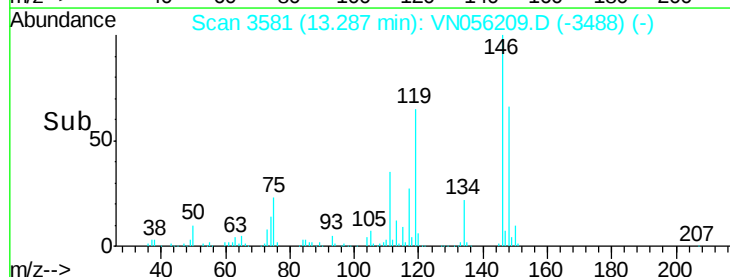
300000

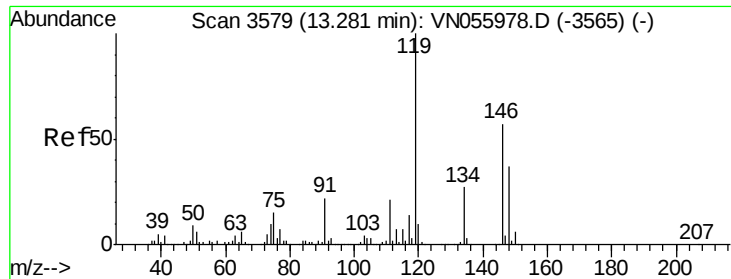
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 50.591 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Instrument :

MSVOA_N

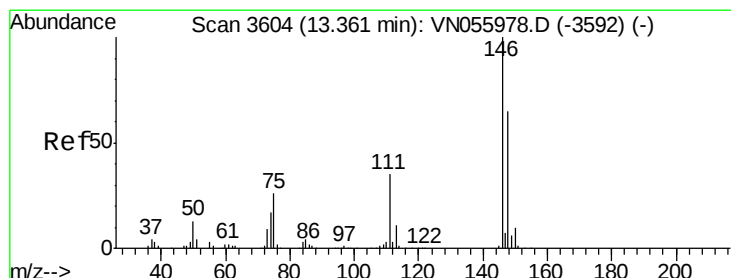
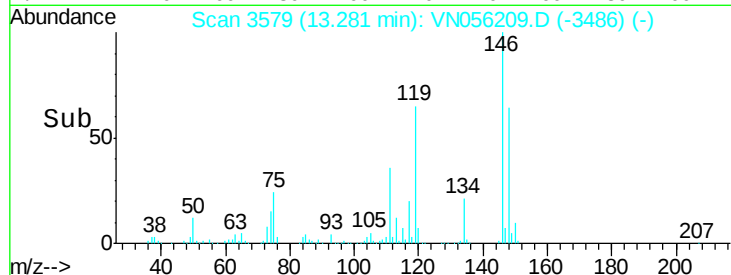
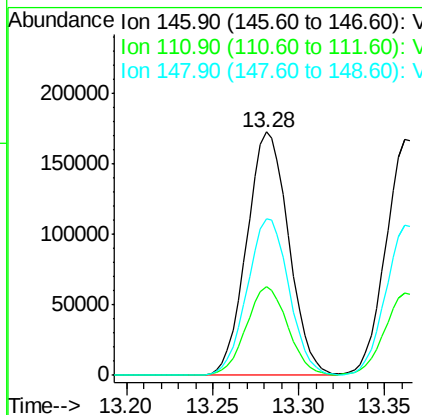
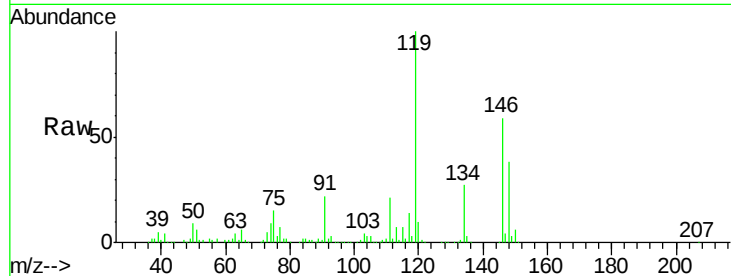
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	291900
Ion Ratio	Lower	Upper	
146	100		
111	36.1	18.5	55.5
148	64.2	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 49.976 ug/l

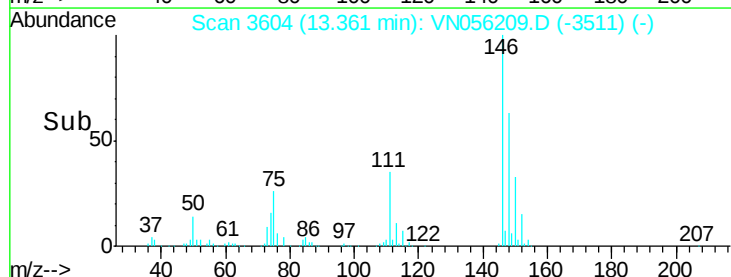
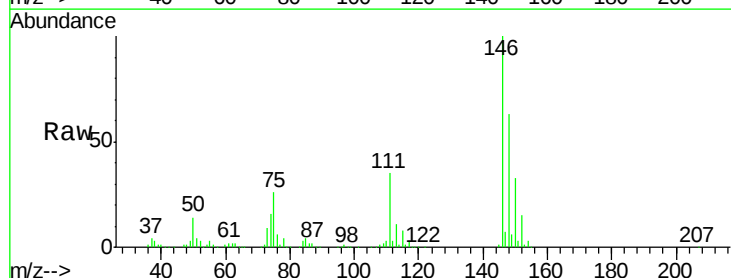
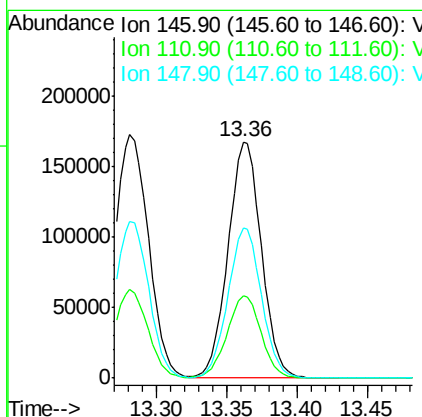
RT: 13.36 min Scan# 3604

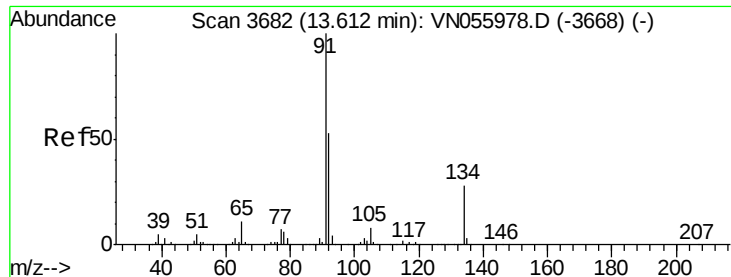
Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Tgt Ion:	146	Resp:	277379
Ion Ratio	Lower	Upper	
146	100		
111	35.4	18.1	54.4
148	64.0	32.1	96.5





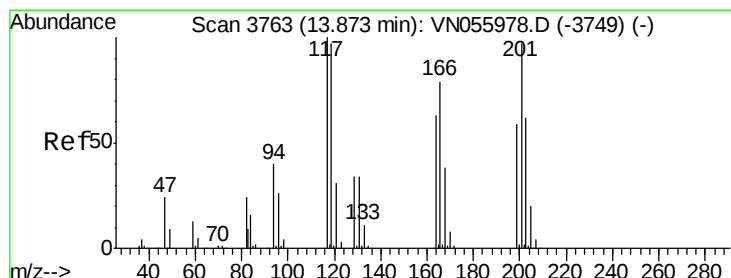
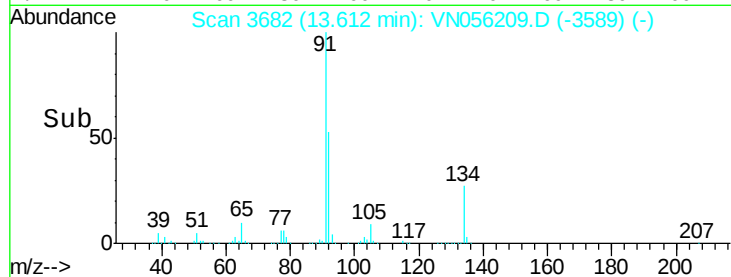
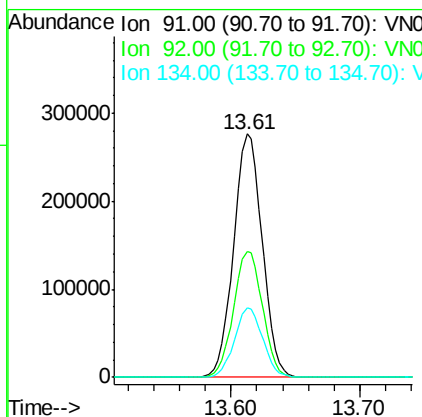
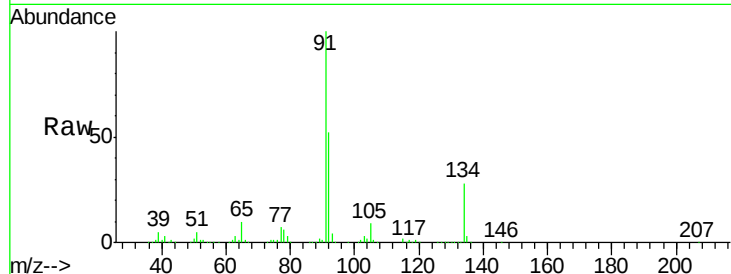
#89
n-Butylbenzene
Concen: 49.303 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.4	79.0
134	28.1	13.9	41.7

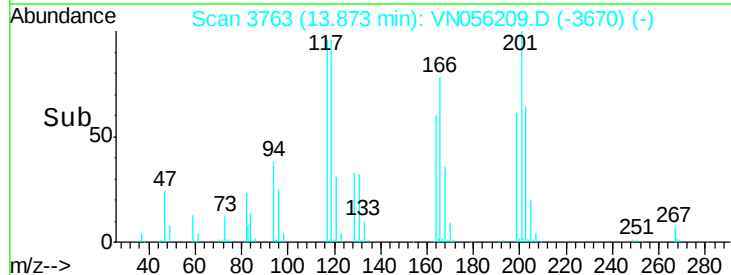
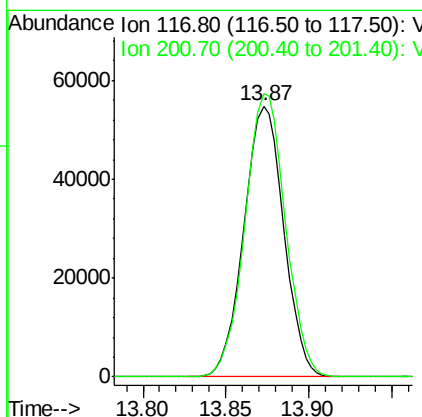
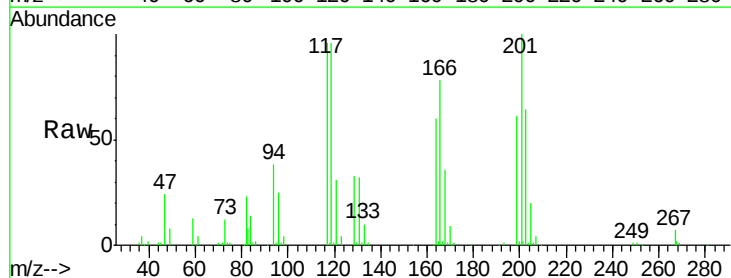
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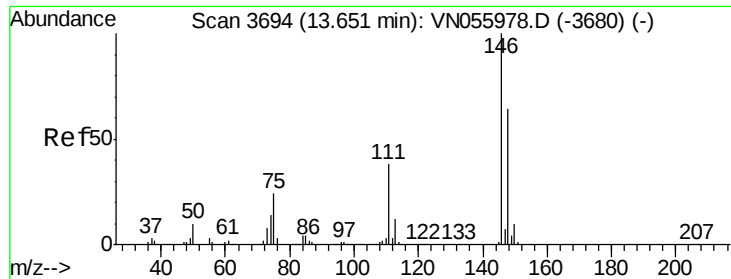
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#90
Hexachloroethane
Concen: 52.024 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056209.D
Acq: 11 Jun 2019 9:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	105.8	50.0	150.0





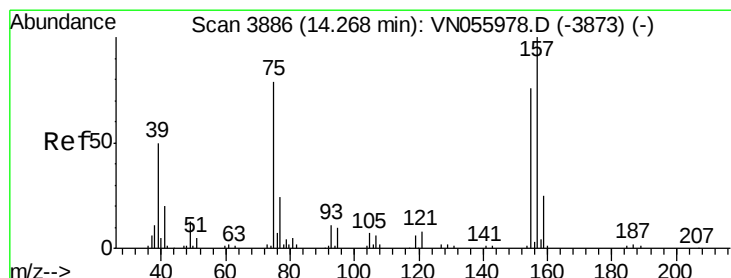
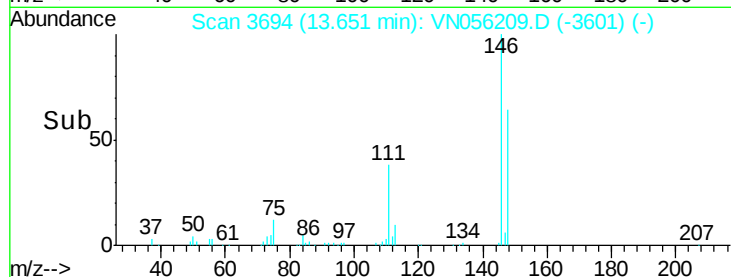
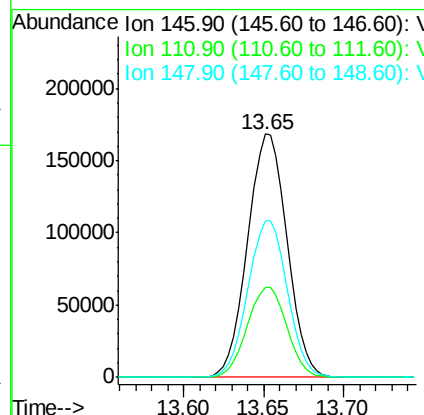
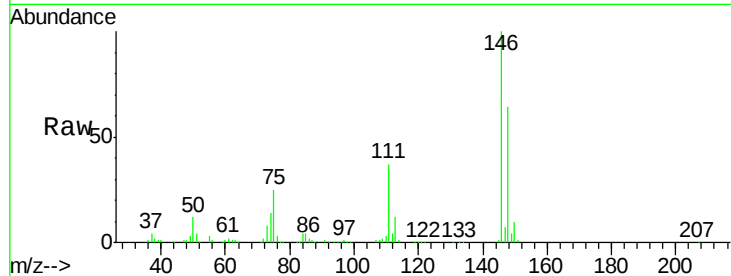
#91
 1,2-Dichlorobenzene
 Concen: 48.726 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056209.D
 Acq: 11 Jun 2019 9:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.1	57.5
148	64.5	31.9	95.9

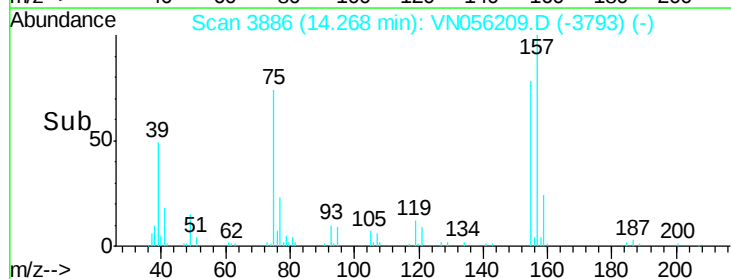
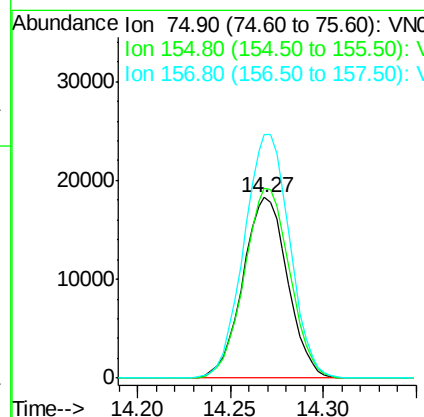
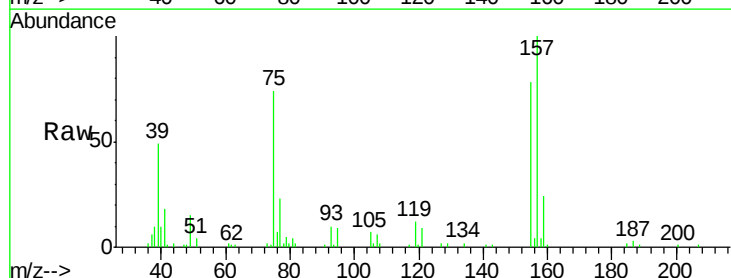
Manual Integrations
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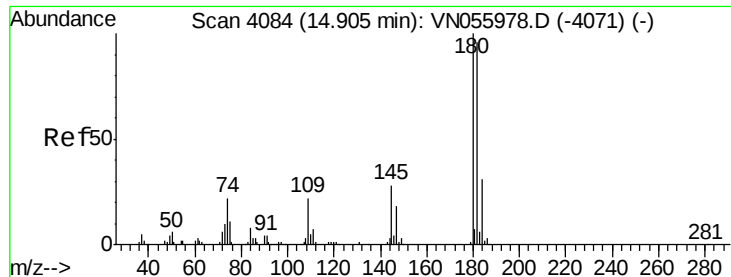
MMDadoda
 6/12/2019 11:11:21 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.891 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056209.D
 Acq: 11 Jun 2019 9:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.6	50.0	150.1
157	137.8	64.8	194.3





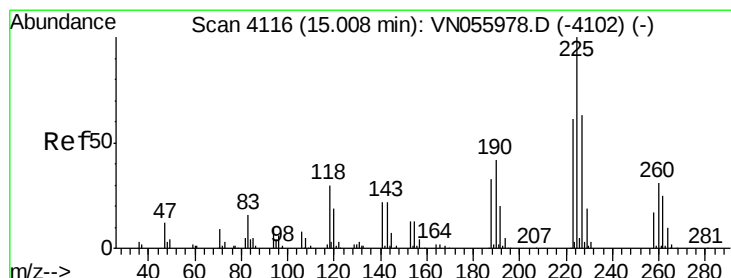
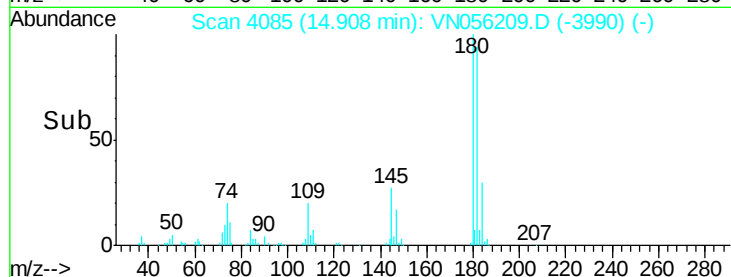
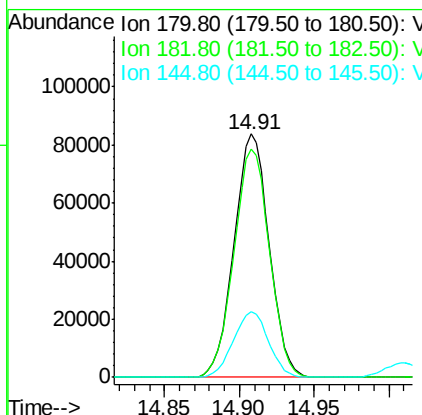
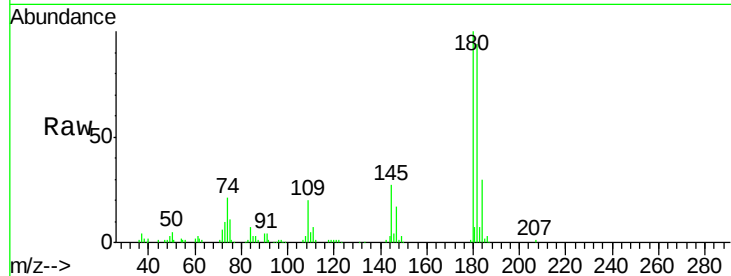
#93
 1,2,4-Trichlorobenzene
 Concen: 43.251 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056209.D
 Acq: 11 Jun 2019 9:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.0	48.3	144.9	
145	26.9	14.0	41.9	

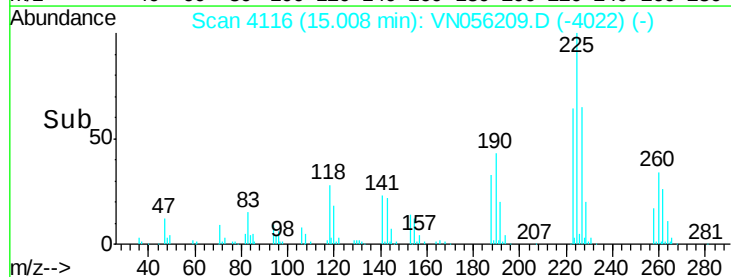
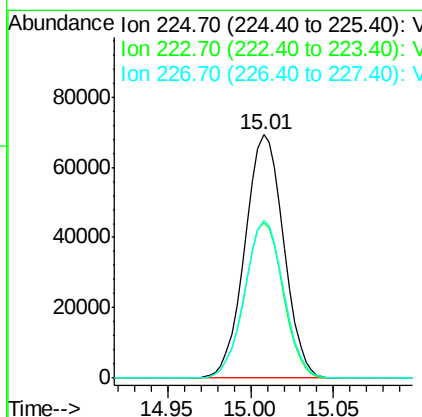
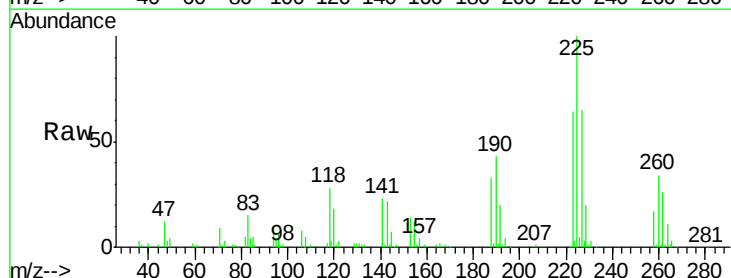
Manual Integrations
 APPROVED

MMDadoda
 6/12/2019 11:11:21 AM



#94
 Hexachlorobutadiene
 Concen: 56.749 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056209.D
 Acq: 11 Jun 2019 9:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.5	30.9	92.7	
227	65.1	31.6	94.7	





#95

Naphthalene

Concen: 41.316 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Instrument :

MSVOA_N

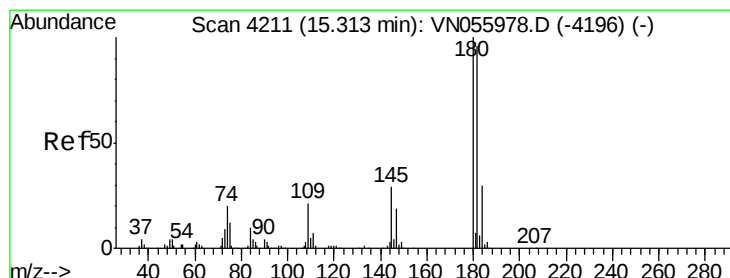
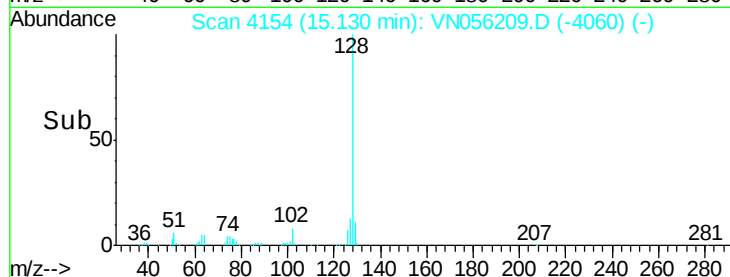
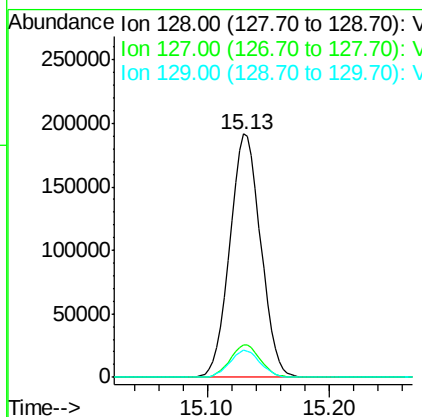
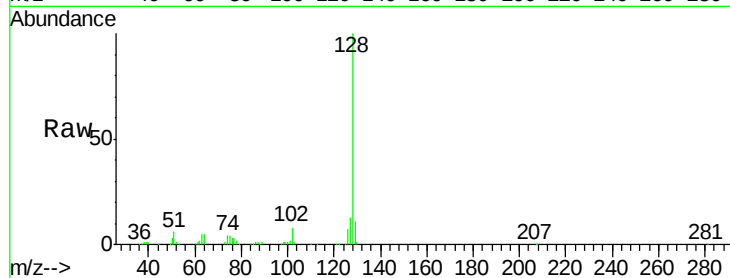
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	338056
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/12/2019 11:11:21 AM



#96

1,2,3-Trichlorobenzene

Concen: 46.331 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056209.D

Acq: 11 Jun 2019 9:14

Tgt Ion:	180	Resp:	150795
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.9	143.7
145	28.7	14.9	44.7

