

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052119\
 Data File : VN055721.D
 Acq On : 21 May 2019 19:55
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 5/22/2019 4:10:57 PM

Quant Time: May 22 06:44:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	367477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	509389	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	448867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	214921	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	171013	42.45	ug/l	0.00
Spiked Amount			Recovery	=	84.90%	
35) Dibromofluoromethane	7.59	113	165766	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
50) Toluene-d8	10.09	98	605970	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.40	95	210024	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	119089	42.120	ug/l	99
3) Chloromethane	2.06	50	150109	39.803	ug/l	100
4) Vinyl Chloride	2.18	62	167679	41.061	ug/l	99
5) Bromomethane	2.53	94	111064	42.675	ug/l	98
6) Chloroethane	2.69	64	102255	45.097	ug/l	98
7) Trichlorofluoromethane	3.02	101	237953	45.471	ug/l	100
8) Diethyl Ether	3.41	74	98739	46.968	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	149047	46.718	ug/l	95
10) Methyl Iodide	3.96	142	231112	50.249	ug/l	98
11) Tert butyl alcohol	4.77	59	181072	241.042	ug/l	99
12) 1,1-Dichloroethene	3.74	96	148518	44.254	ug/l	95
13) Acrolein	3.60	56	76345	199.516	ug/l	98
14) Allyl chloride	4.32	41	232062	42.833	ug/l	98
15) Acrylonitrile	4.98	53	399386	238.967	ug/l	100
16) Acetone	3.81	43	321627	195.646	ug/l	97
17) Carbon Disulfide	4.06	76	364570	39.077	ug/l	98
18) Methyl Acetate	4.32	43	166763	47.318	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	517271	46.590	ug/l	97
20) Methylene Chloride	4.55	84	170327	45.400	ug/l	94
21) trans-1,2-Dichloroethene	5.04	96	160340	44.849	ug/l	93
22) Diisopropyl ether	5.95	45	477156	44.446	ug/l	95
23) Vinyl Acetate	5.89	43	2026455	222.456	ug/l	98
24) 1,1-Dichloroethane	5.85	63	281331	44.692	ug/l	99
25) 2-Butanone	6.83	43	520371	226.390	ug/l	97
26) 2,2-Dichloropropane	6.82	77	225407	40.346	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	194738	46.778	ug/l	93
28) Bromochloromethane	7.19	49	111477	40.706	ug/l	84
29) Tetrahydrofuran	7.21	42	338283	222.143	ug/l	95
30) Chloroform	7.37	83	297942	46.110	ug/l	100
31) Cyclohexane	7.65	56	242054	40.516	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	266259	45.941	ug/l	97
36) 1,1-Dichloropropene	7.79	75	209619	46.156	ug/l	96
37) Ethyl Acetate	6.93	43	208156	50.792	ug/l	97
38) Carbon Tetrachloride	7.77	117	242037	49.873	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	259669	47.431	ug/l	97
40) Benzene	8.04	78	672569	50.350	ug/l	100
41) Methacrylonitrile	7.18	41	107813m	61.533	ug/l	
42) 1,2-Dichloroethane	8.12	62	214855	49.671	ug/l	99
43) Isopropyl Acetate	8.16	43	405947	56.945	ug/l	96
44) Trichloroethene	8.83	130	205130	54.422	ug/l	93
45) 1,2-Dichloropropane	9.12	63	172635	49.058	ug/l	100
46) Dibromomethane	9.21	93	119564	51.912	ug/l	91
47) Bromodichloromethane	9.40	83	243673	50.479	ug/l	99
48) Methyl methacrylate	9.20	41	160929	50.506	ug/l	96
49) 1,4-Dioxane	9.20	88	74845	1182.121	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1043875	249.636	ug/l	97
52) Toluene	10.16	92	435605	51.992	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	261315	50.297	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	281108	49.389	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	182250	52.838	ug/l	98
56) Ethyl methacrylate	10.43	69	272165	50.547	ug/l	95
57) 1,3-Dichloropropane	10.71	76	283787	51.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	469577	205.252	ug/l	96
59) 2-Hexanone	10.75	43	734851	249.606	ug/l	96
60) Dibromochloromethane	10.90	129	222622	56.948	ug/l	99
61) 1,2-Dibromoethane	11.01	107	190518	55.204	ug/l	100
64) Tetrachloroethene	10.63	164	202295	57.139	ug/l	97
65) Chlorobenzene	11.43	112	483523	53.258	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	198962	54.475	ug/l	99
67) Ethyl Benzene	11.51	91	822762	50.872	ug/l	99
68) m/p-Xylenes	11.62	106	638949	104.615	ug/l	96
69) o-Xylene	11.95	106	317259	53.109	ug/l	95
70) Styrene	11.96	104	536130	53.977	ug/l	97
71) Bromoform	12.13	173	182262	58.885	ug/l #	100
73) Isopropylbenzene	12.25	105	832490	55.461	ug/l	99
74) N-amyl acetate	12.07	43	285739	47.348	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	250908	53.275	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	201848m	46.026	ug/l	
77) Bromobenzene	12.53	156	235710	53.402	ug/l	89
78) n-propylbenzene	12.59	91	881575	46.190	ug/l	97
79) 2-Chlorotoluene	12.67	91	537097	52.673	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	702600	54.725	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	77576	45.472	ug/l	99
82) 4-Chlorotoluene	12.77	91	523026	46.511	ug/l	97
83) tert-Butylbenzene	12.99	119	627876	57.836	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	706299	55.080	ug/l	98
85) sec-Butylbenzene	13.17	105	783714	54.747	ug/l	98
86) p-Isopropyltoluene	13.29	119	734523	55.084	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	375850	51.501	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	361349	51.857	ug/l	98
89) n-Butylbenzene	13.61	91	552291	46.830	ug/l	98
90) Hexachloroethane	13.87	117	144060	56.650	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	373645	51.360	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44445	45.568	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	198641	53.642	ug/l	99
94) Hexachlorobutadiene	15.01	225	143401	65.037	ug/l	100
95) Naphthalene	15.13	128	522379	46.856	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	202454	52.287	ug/l	99

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

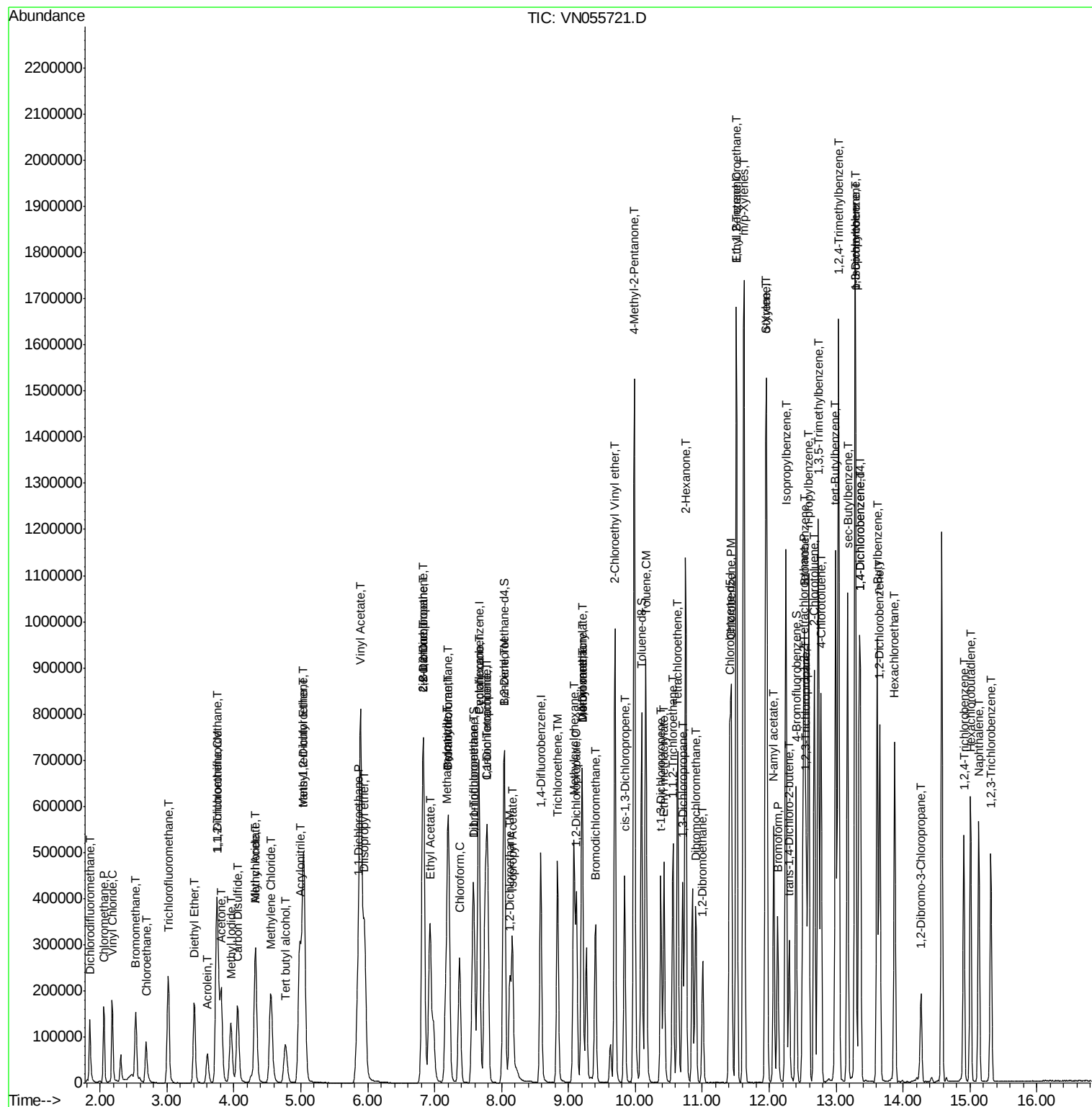
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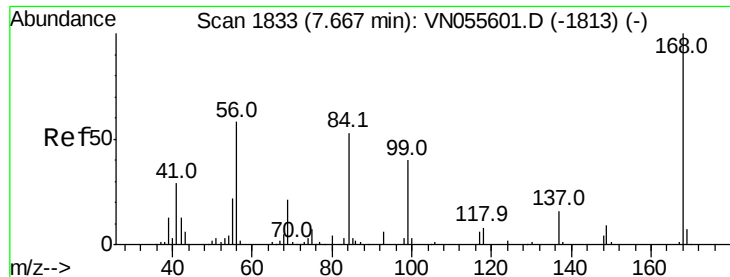
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 367477

Ion Ratio Lower Upper

168 100

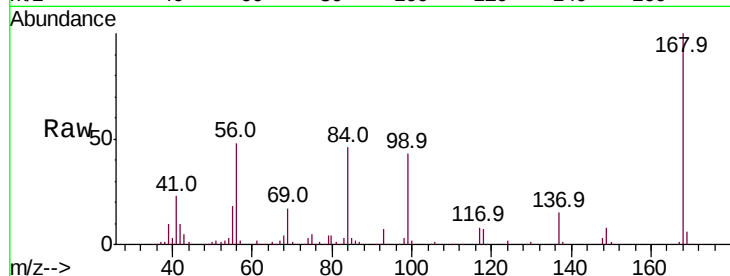
99 42.3 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

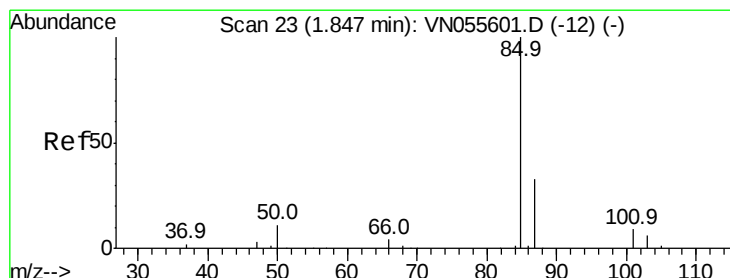
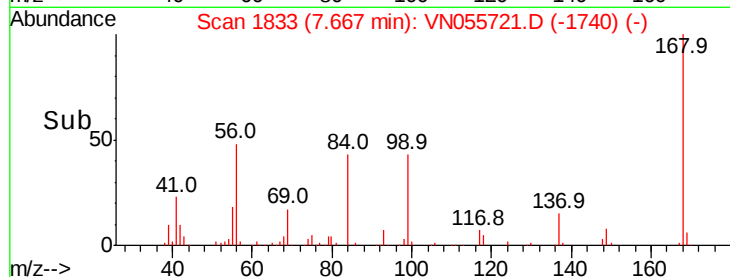
100000

50000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 42.120 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN055721.D

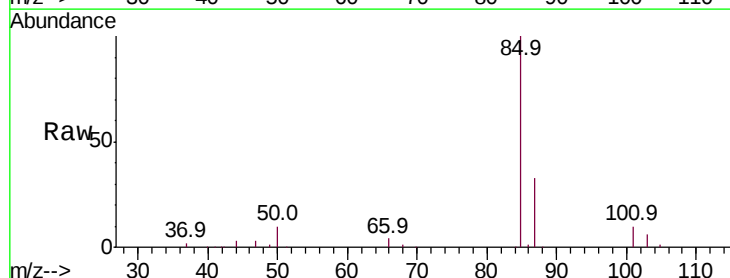
Acq: 21 May 2019 19:55

Tgt Ion: 85 Resp: 119089

Ion Ratio Lower Upper

85 100

87 32.6 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

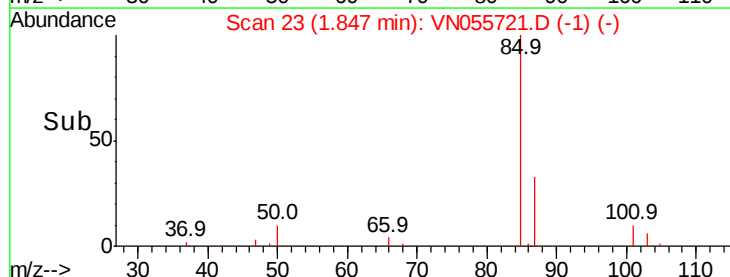
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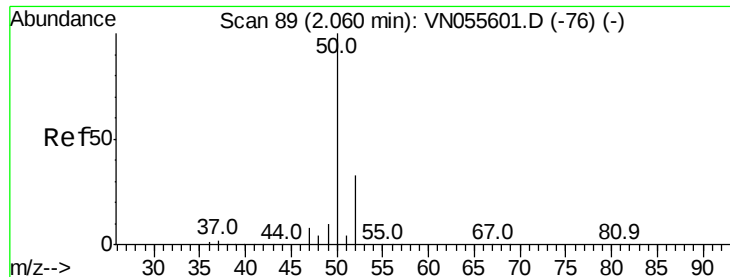
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Time-->

1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 39.803 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 150109

Ion Ratio Lower Upper

50 100

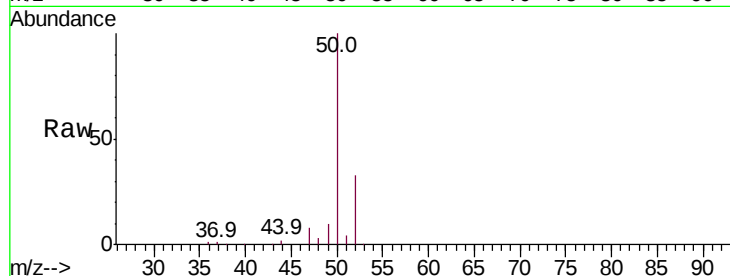
52 33.3 26.7 40.1

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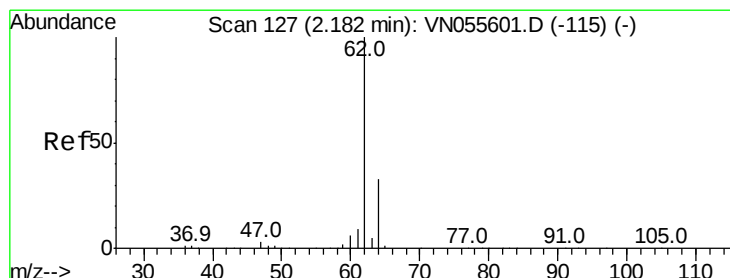
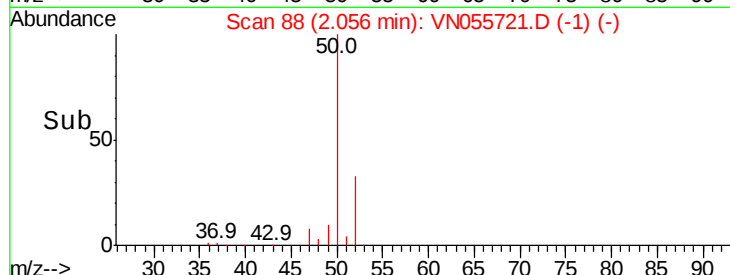
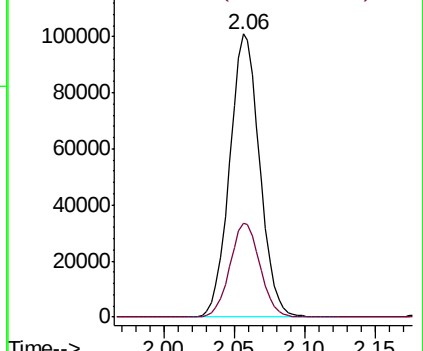
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 41.061 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055721.D

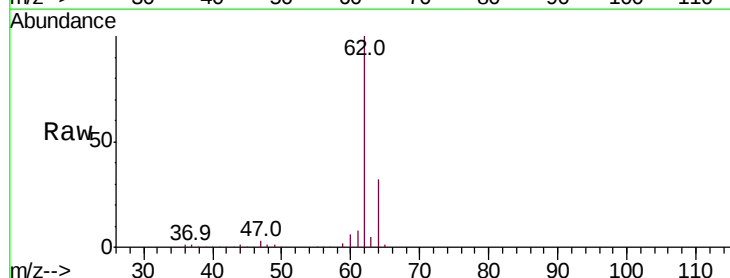
Acq: 21 May 2019 19:55

Tgt Ion: 62 Resp: 167679

Ion Ratio Lower Upper

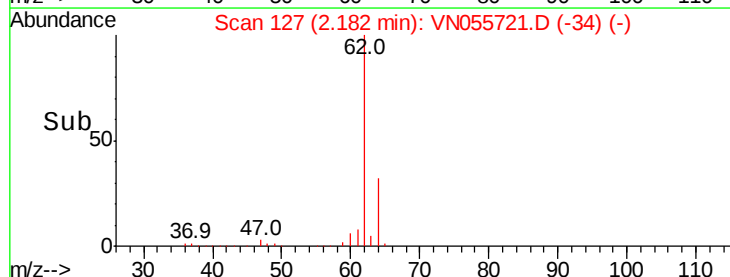
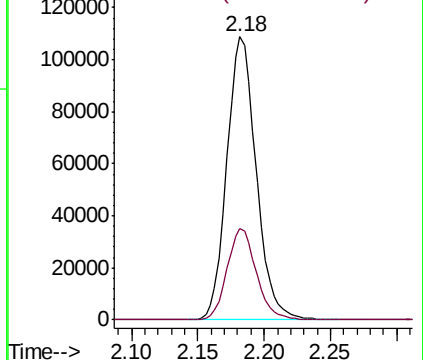
62 100

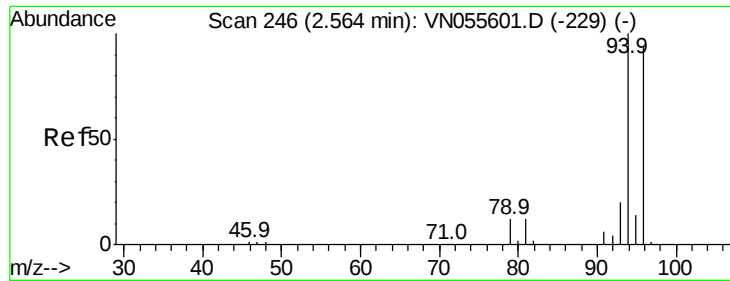
64 32.2 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 42.675 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.03 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

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Tot Ion: 94 Resp: 111064

Ion Ratio Lower Upper

94 100

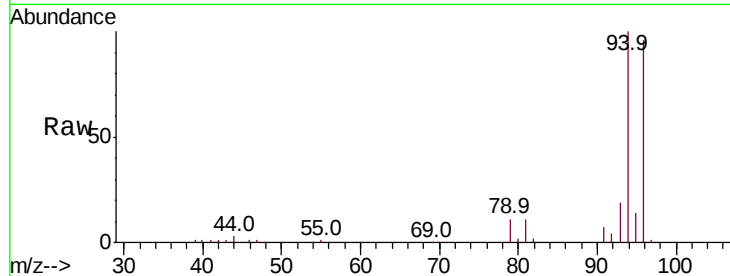
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Manual Integrations

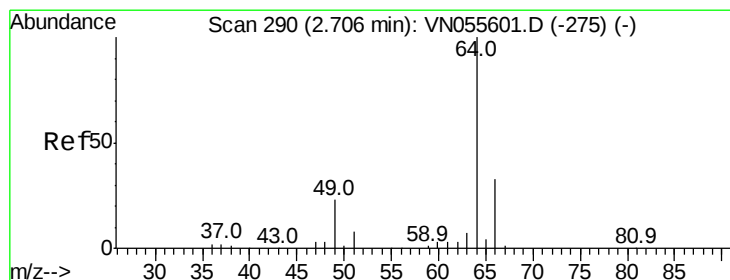
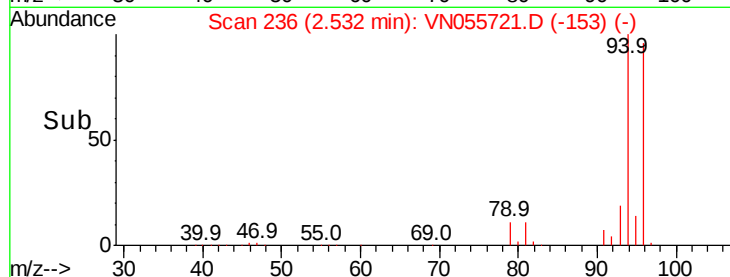
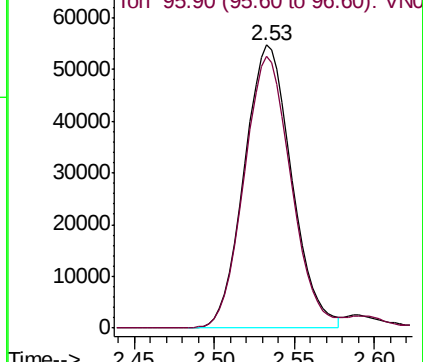
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Abundance Ion 93.90 (93.60 to 94.60): VN055721.D (-153) (-)



#6

Chloroethane

Concen: 45.097 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.02 min

Lab File: VN055721.D

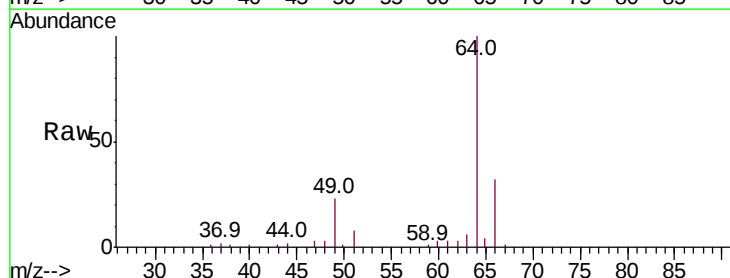
Acq: 21 May 2019 19:55

Tgt Ion: 64 Resp: 102255

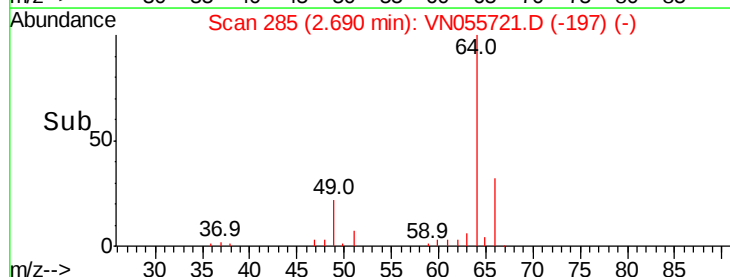
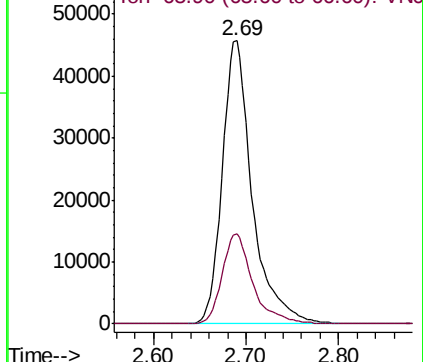
Ion Ratio Lower Upper

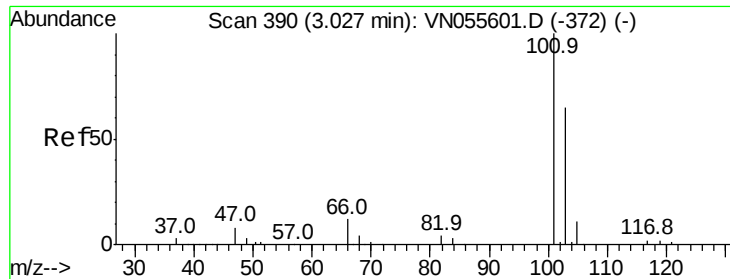
64 100

66 31.7 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN055721.D (-197) (-)





#7

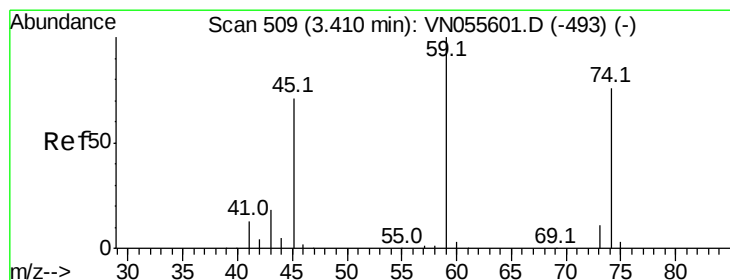
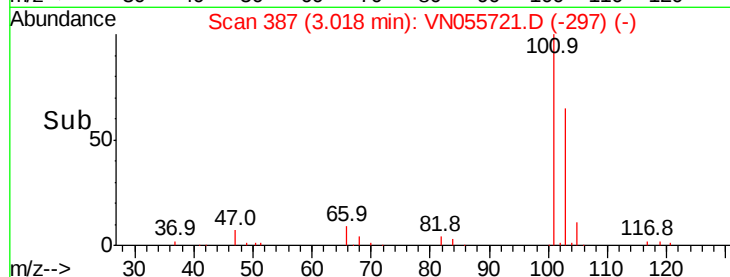
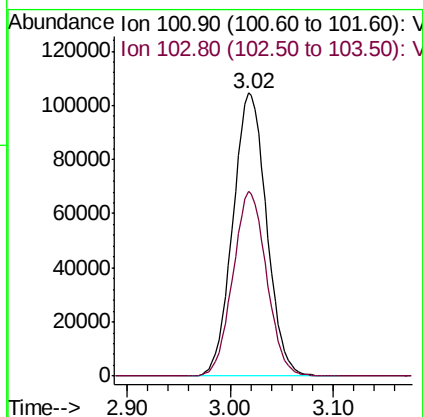
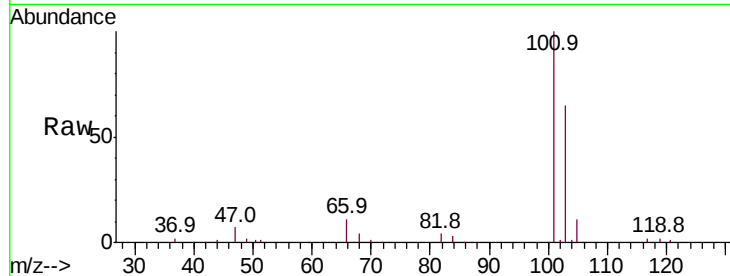
Trichlorofluoromethane
 Concen: 45.471 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VN055721.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.3	78.5

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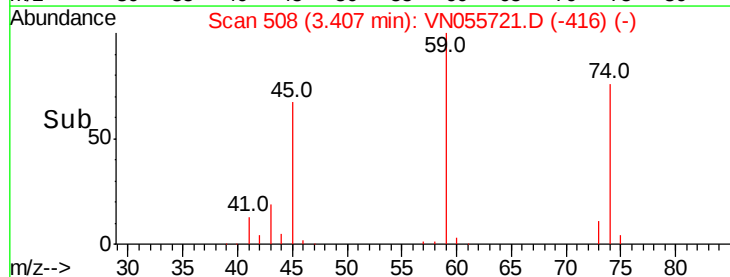
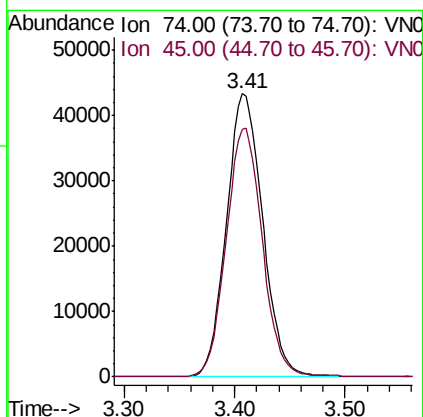
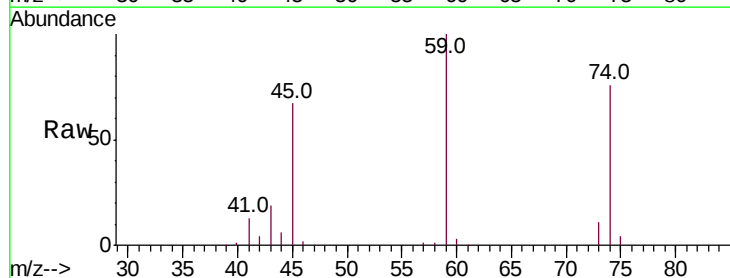
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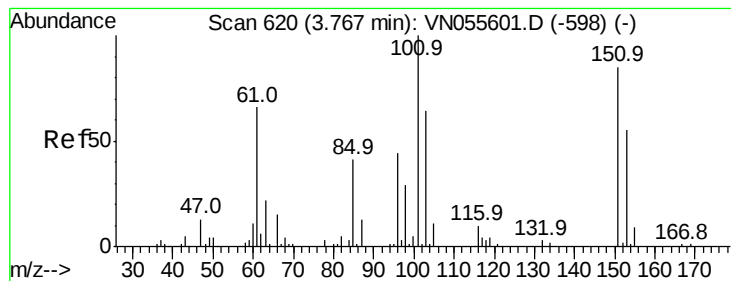


#8

Diethyl Ether
 Concen: 46.968 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN055721.D
 Acq: 21 May 2019 19:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.6	46.4	139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.718 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.01 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Instrument :

MSVOA_N

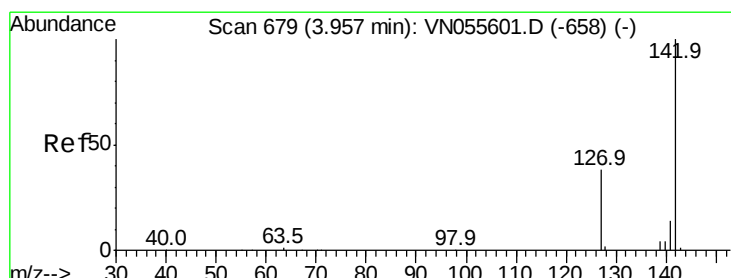
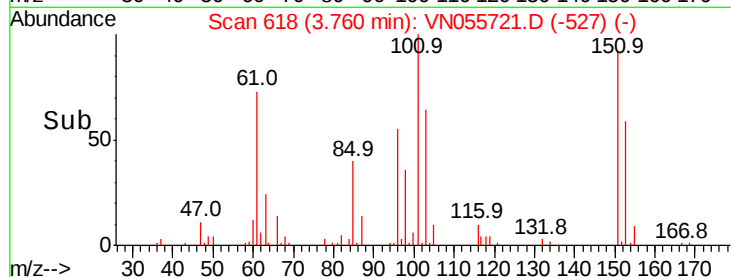
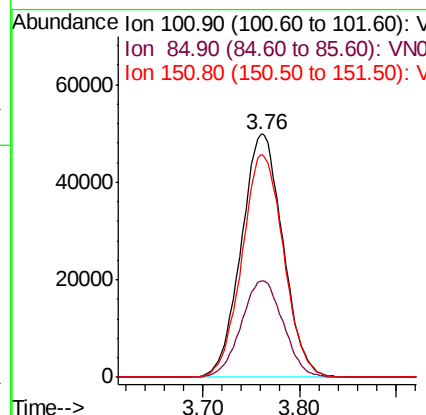
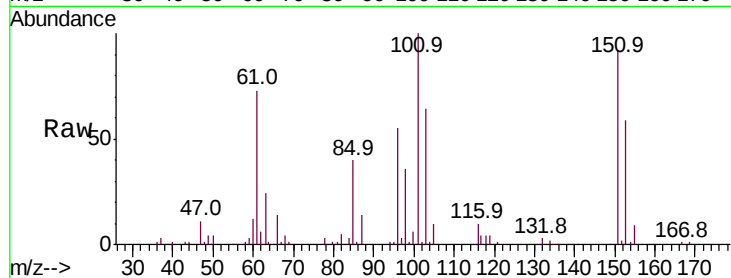
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	149047
Ion Ratio	Lower	Upper	
101	100		
85	40.1	33.4	50.0
151	91.7	69.3	103.9

Manual Integrations
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#10

Methyl Iodide

Concen: 50.249 ug/l

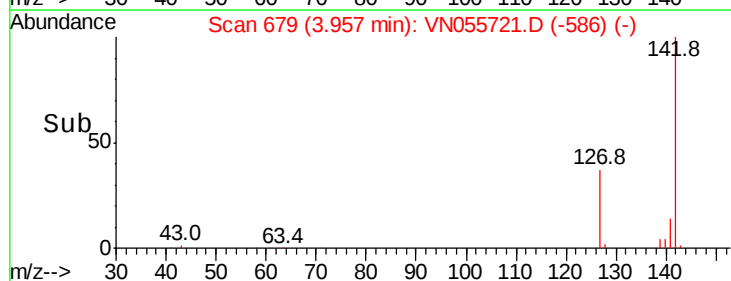
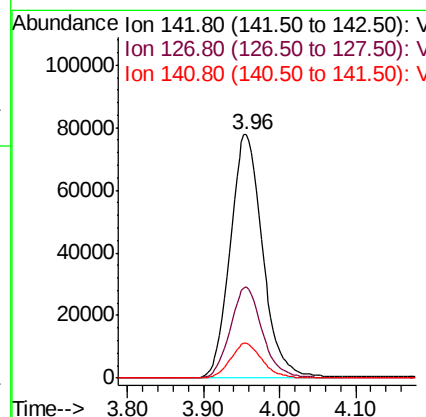
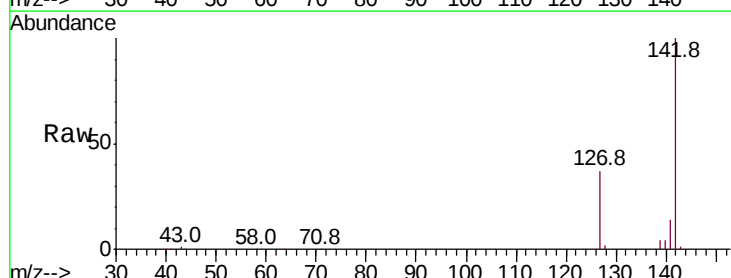
RT: 3.96 min Scan# 679

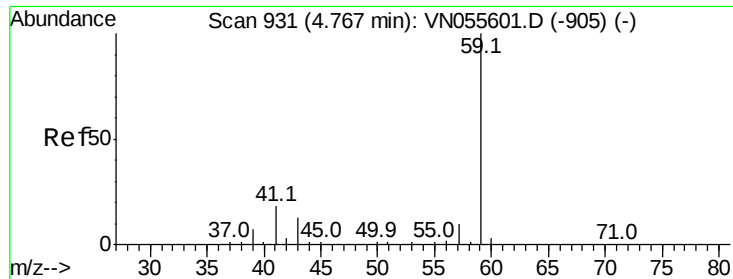
Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Tgt Ion:	142	Resp:	231112
Ion Ratio	Lower	Upper	
142	100		
127	37.1	31.0	46.4
141	14.0	11.5	17.3





#11

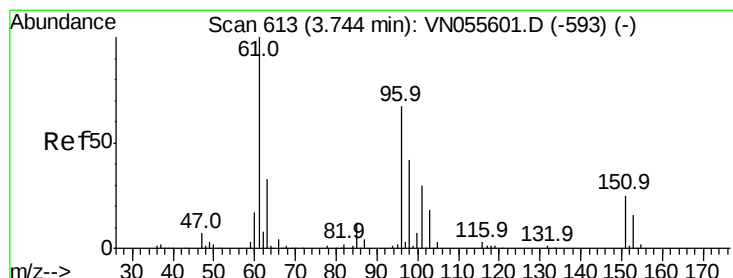
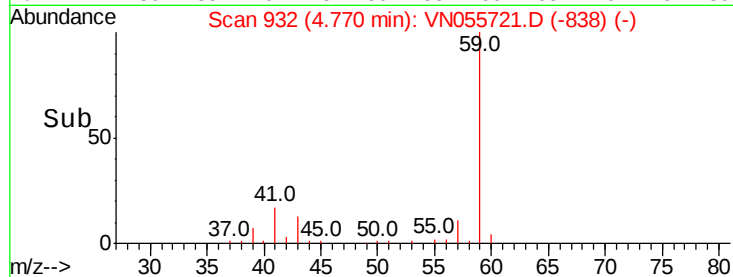
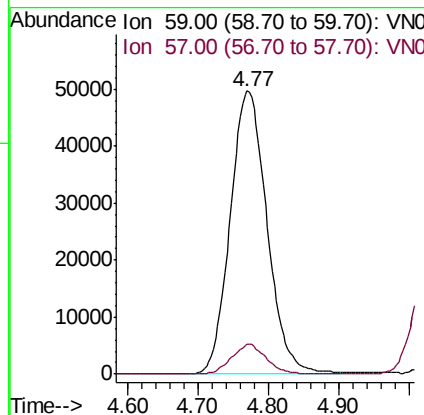
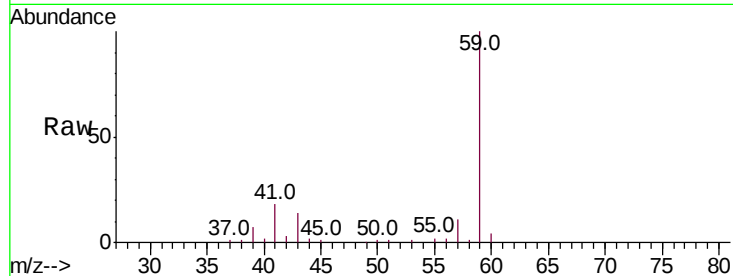
Tert butyl alcohol
 Concen: 241.042 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN055721.D
 Acq: 21 May 2019 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	9.9	Resp	181072	Lower	Upper

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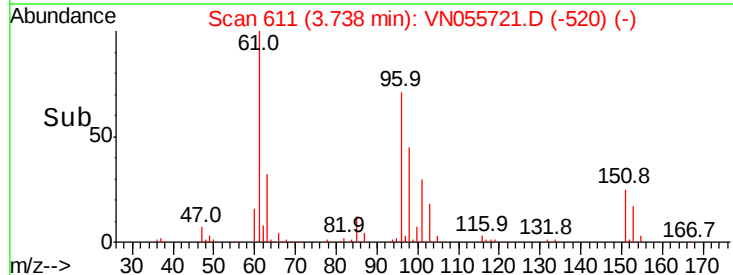
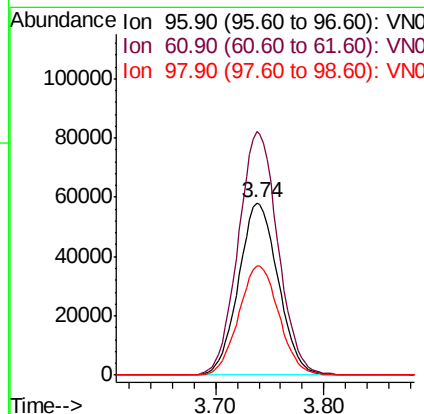
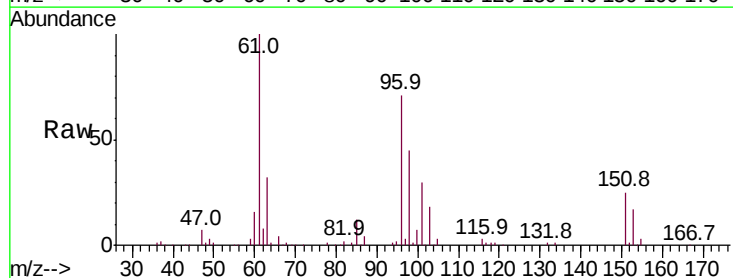
MMDadoda
 5/22/2019 4:10:57 PM

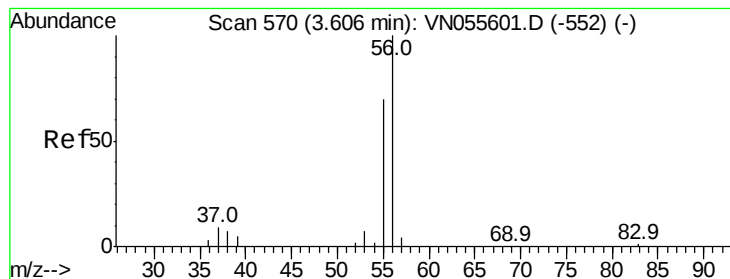


#12

1,1-Dichloroethene
 Concen: 44.254 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VN055721.D
 Acq: 21 May 2019 19:55

Tgt Ion	96	61	98	Ratio	100	141.1	63.3	Resp	148518	Lower	Upper





#13

Acrolein

Concen: 199.516 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 76345

Ion Ratio Lower Upper

56 100

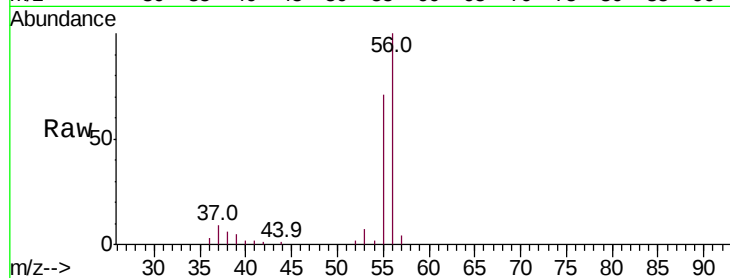
55 72.5 56.5 84.7

Manual Integrations

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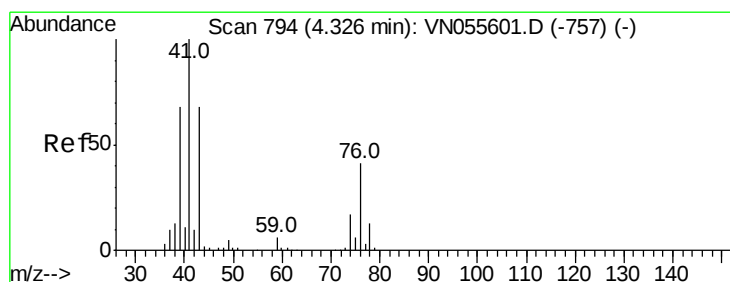
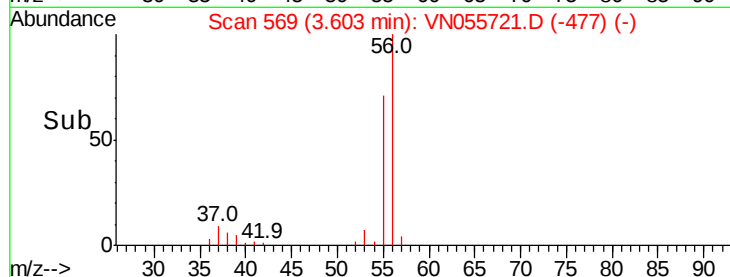
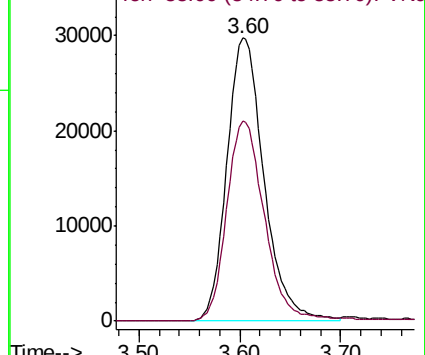
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 42.833 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

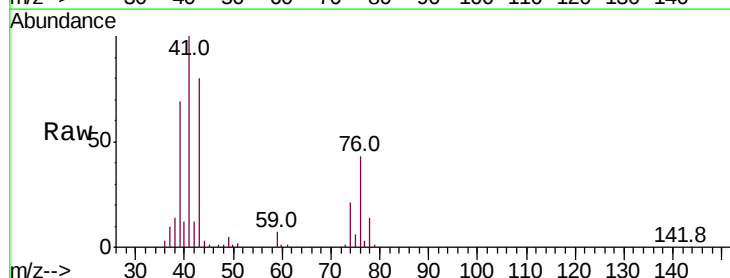
Tgt Ion: 41 Resp: 232062

Ion Ratio Lower Upper

41 100

39 61.5 50.5 75.7

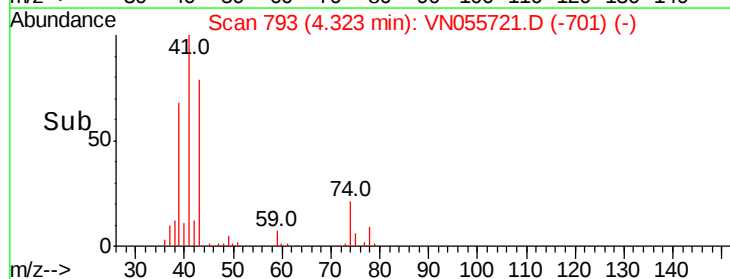
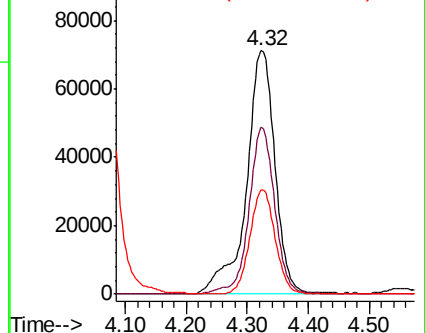
76 37.8 29.2 43.8

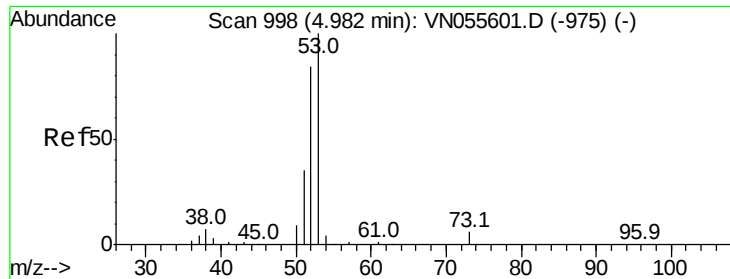


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 238.967 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Instrument :

MSVOA_N

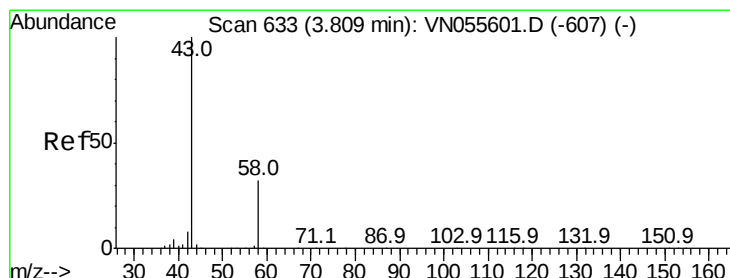
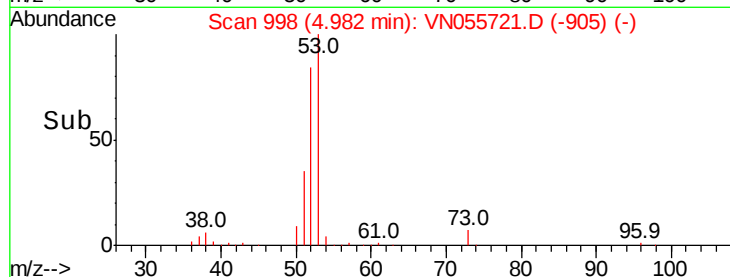
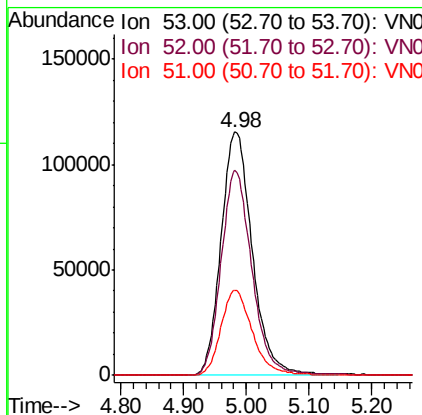
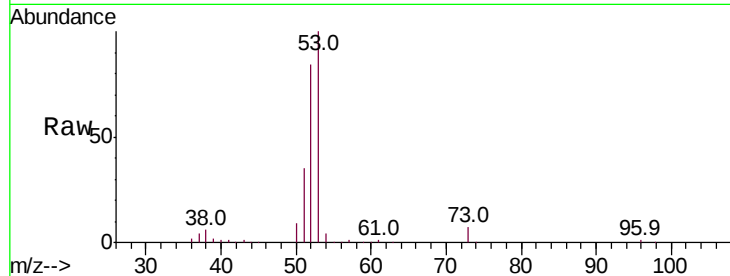
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	399386
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.4
51	35.3	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 195.646 ug/l

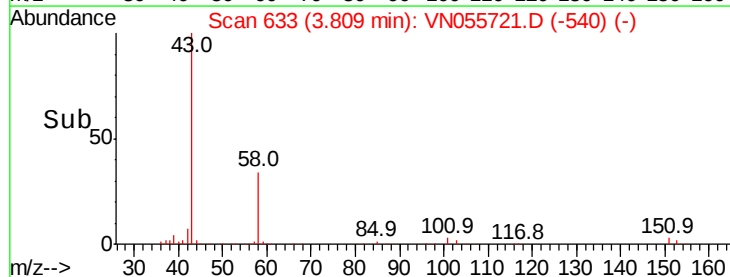
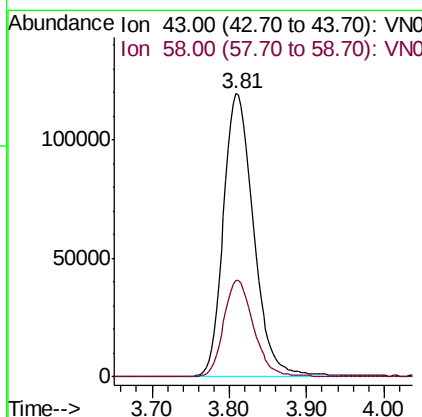
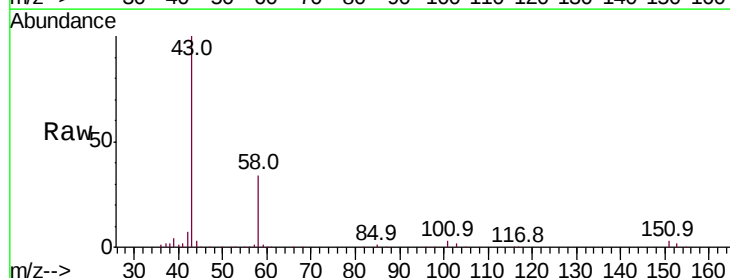
RT: 3.81 min Scan# 633

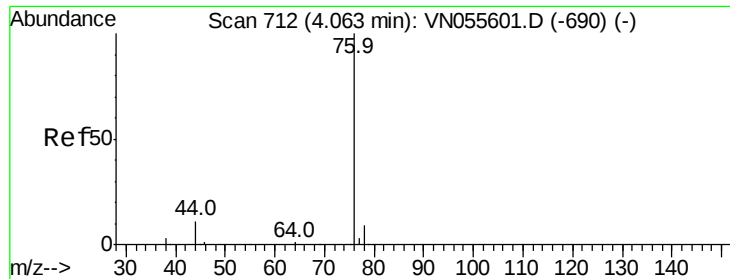
Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Tgt Ion:	43	Resp:	321627
Ion	Ratio	Lower	Upper
43	100		
58	33.9	26.0	39.0





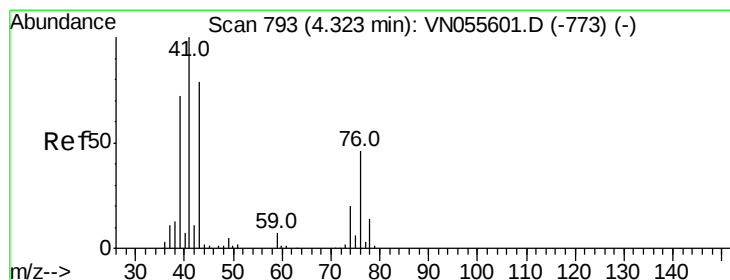
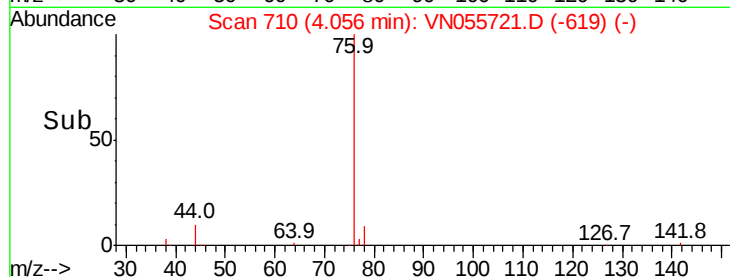
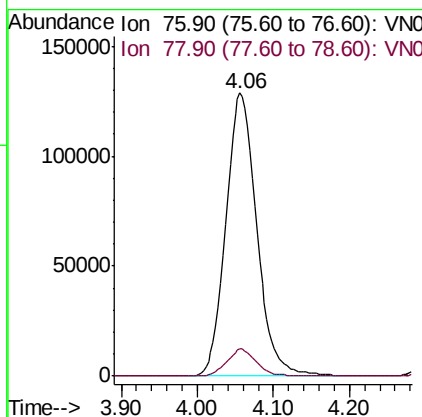
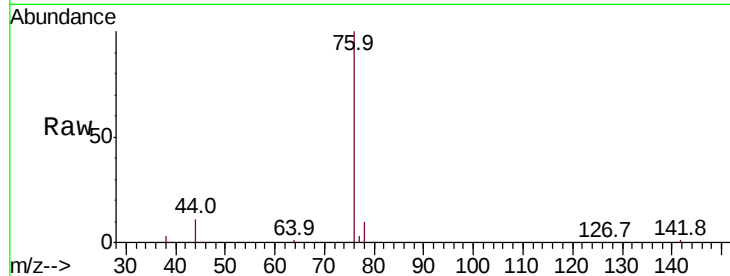
#17
Carbon Disulfide
Concen: 39.077 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.01 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9

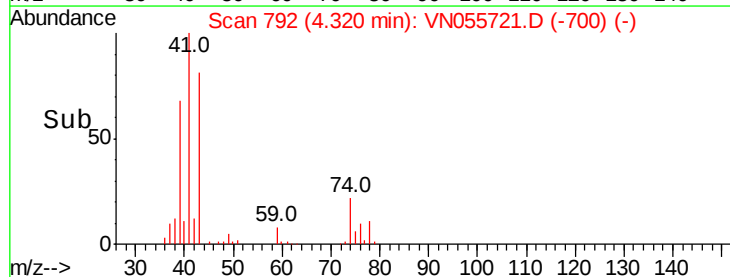
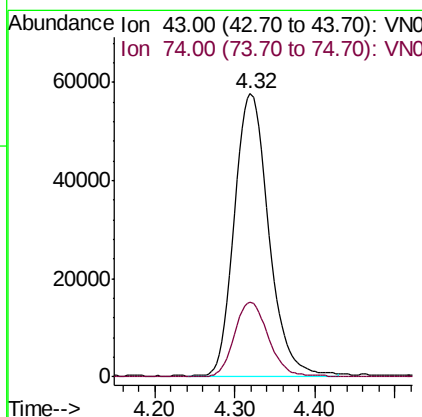
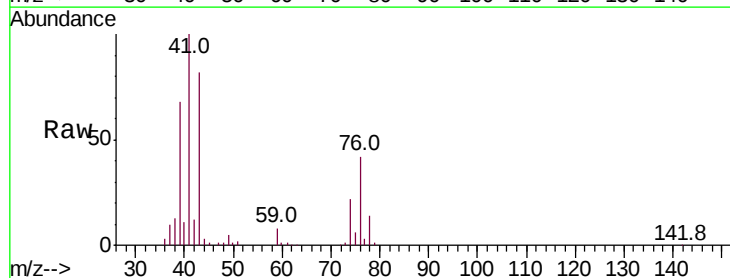
Manual Integrations
APPROVED

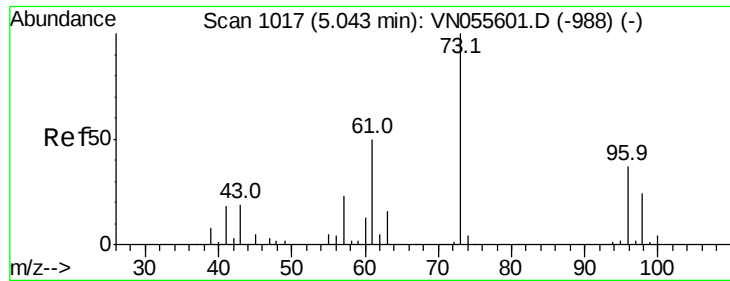
MMDadoda
5/22/2019 4:10:57 PM



#18
Methyl Acetate
Concen: 47.318 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.5	19.9	29.9





#19

Methyl tert-butyl Ether

Concen: 46.590 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

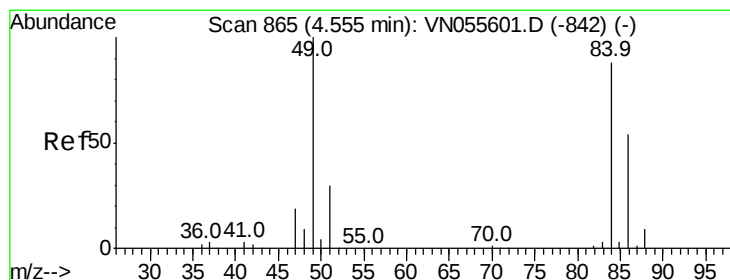
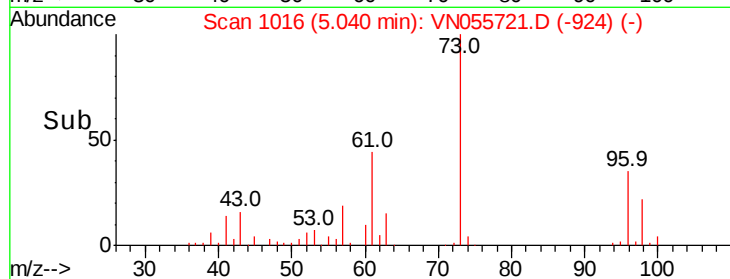
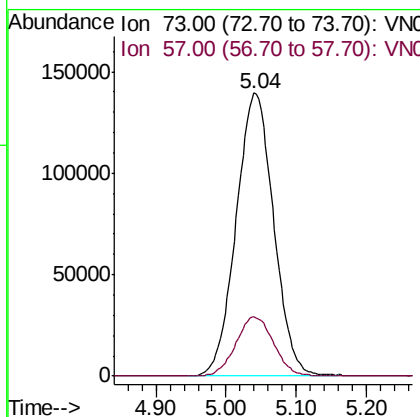
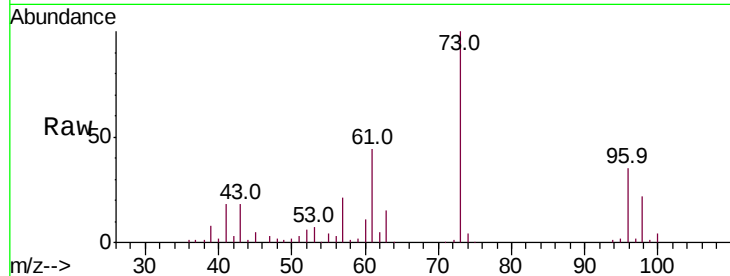
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 517271

Ion	Ratio	Lower	Upper
73	100		
57	21.0	18.2	27.2

Manual Integrations
APPROVED

MMDadoda
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#20

Methylene Chloride

Concen: 45.400 ug/l

RT: 4.55 min Scan# 864

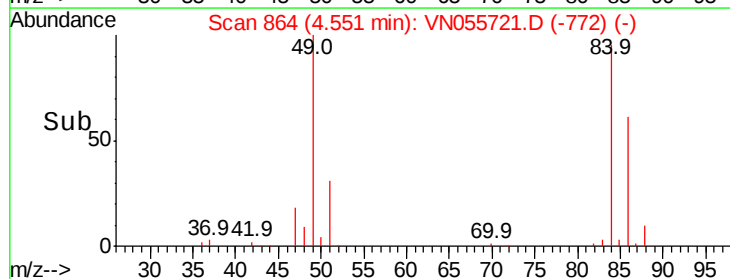
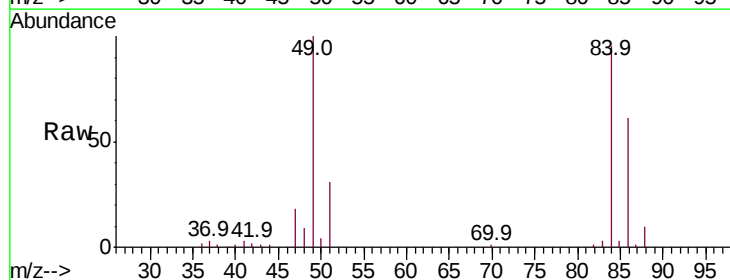
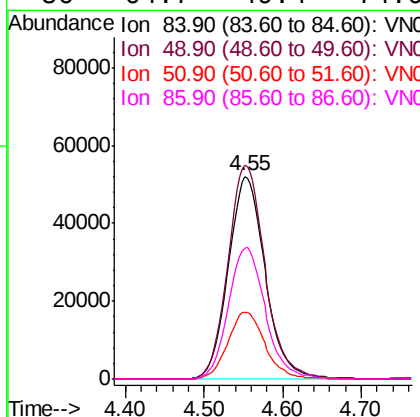
Delta R.T. -0.00 min

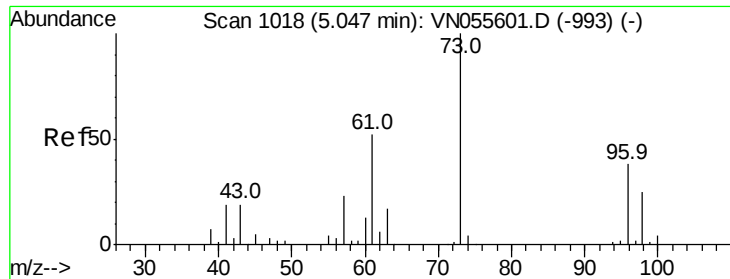
Lab File: VN055721.D

Acq: 21 May 2019 19:55

Tgt Ion: 84 Resp: 170327

Ion	Ratio	Lower	Upper
84	100		
49	105.4	91.0	136.4
51	33.1	27.5	41.3
86	64.7	49.4	74.0





#21

trans-1,2-Dichloroethene

Concen: 44.849 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN055721.D

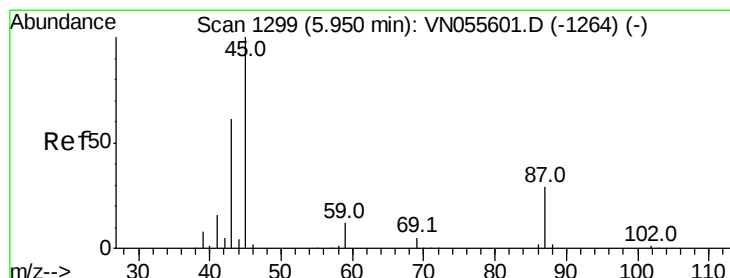
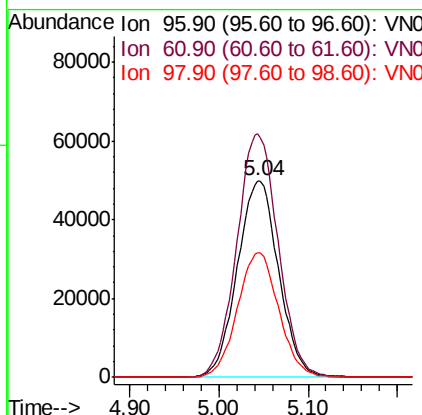
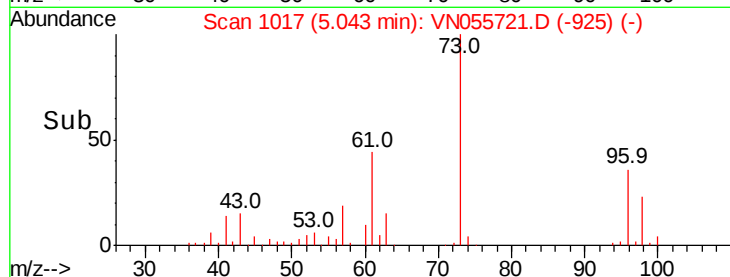
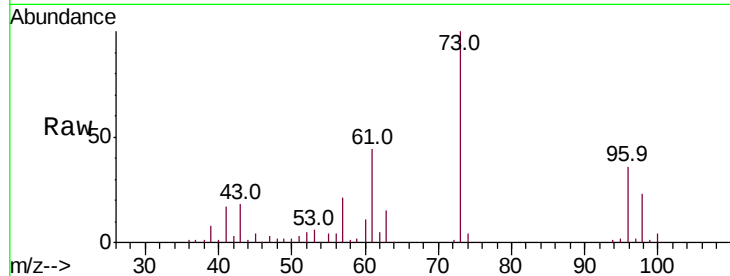
Acq: 21 May 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.9	108.6	162.8
98	63.6	51.4	77.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 44.446 ug/l

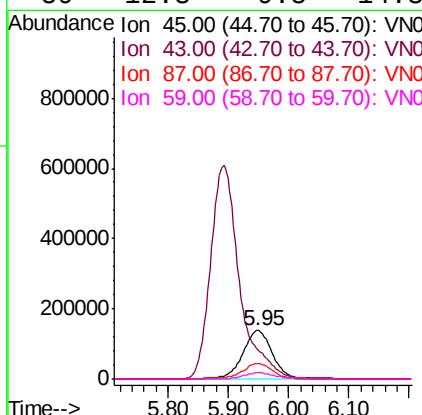
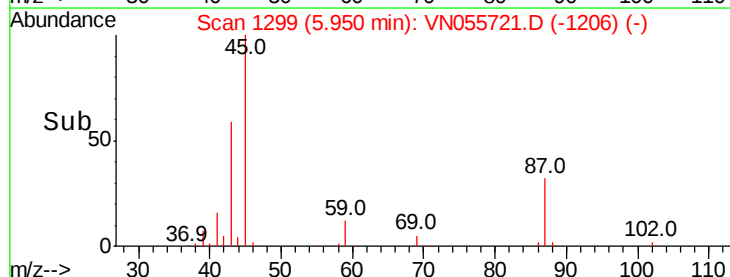
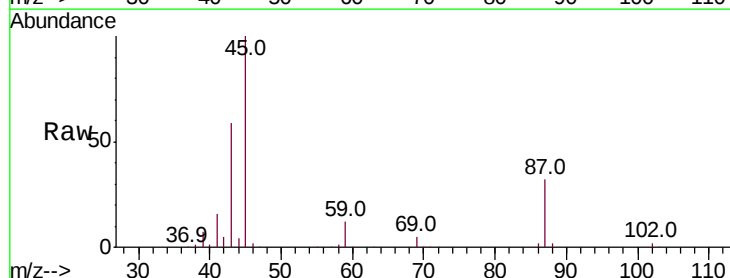
RT: 5.95 min Scan# 1299

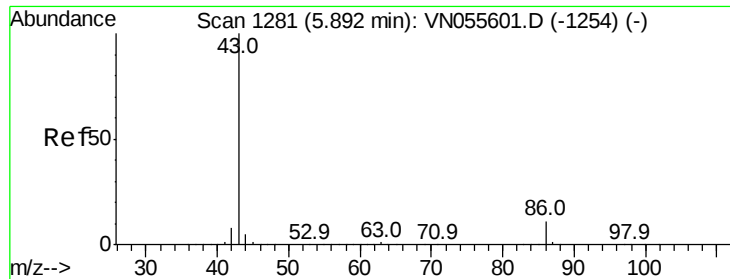
Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.8	50.4	75.6
87	31.9	23.8	35.6
59	12.3	9.5	14.3





#23

Vinyl Acetate

Concen: 222.456 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2026455

Ion Ratio Lower Upper

43 100

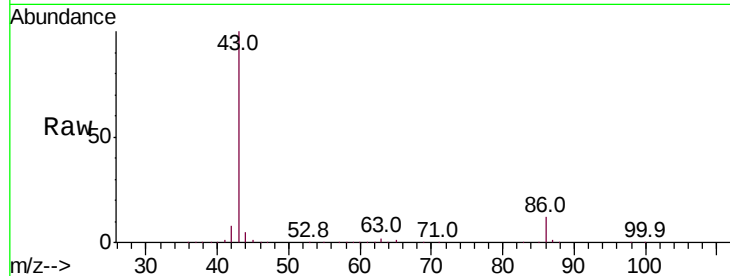
86 11.7 8.7 13.1

Manual Integrations

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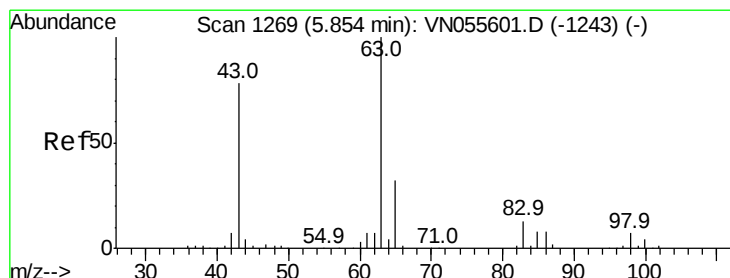
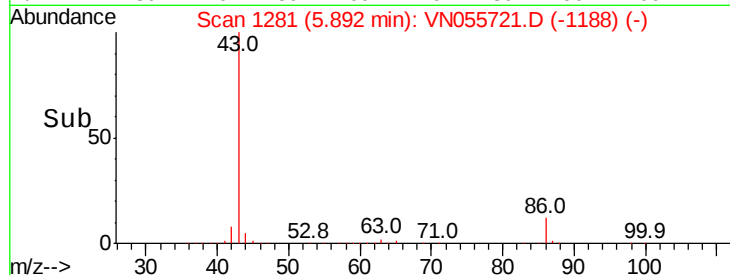
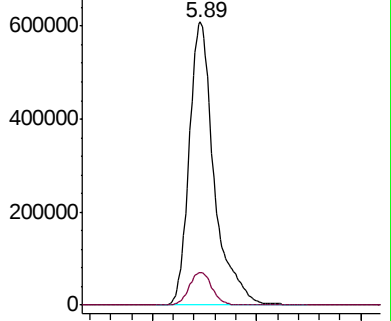
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 44.692 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

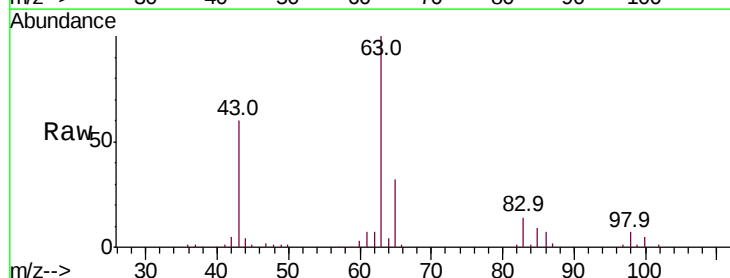
Tgt Ion: 63 Resp: 281331

Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.2

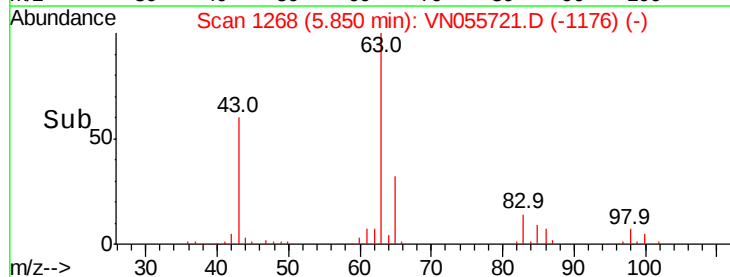
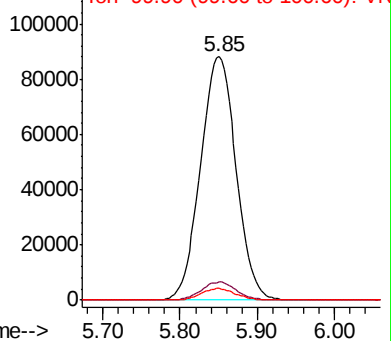
100 4.7 2.2 6.6

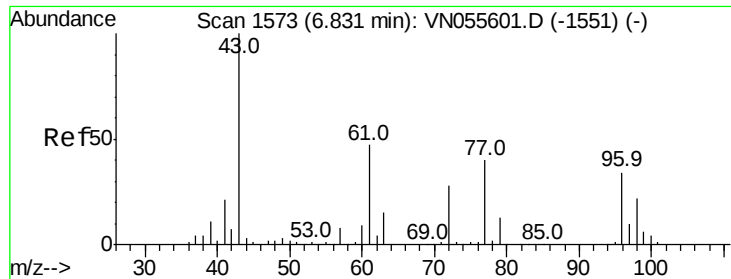


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





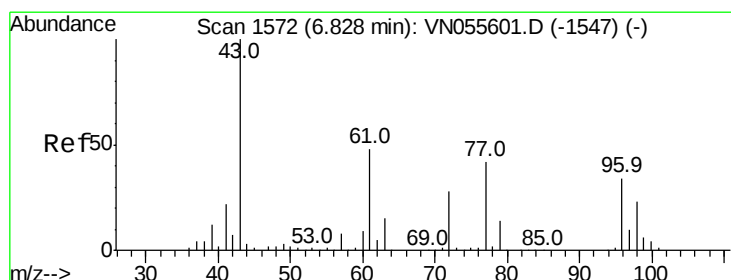
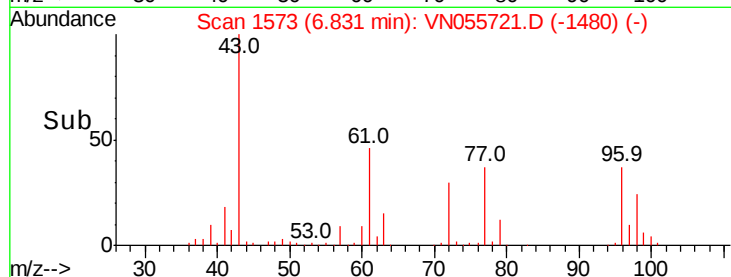
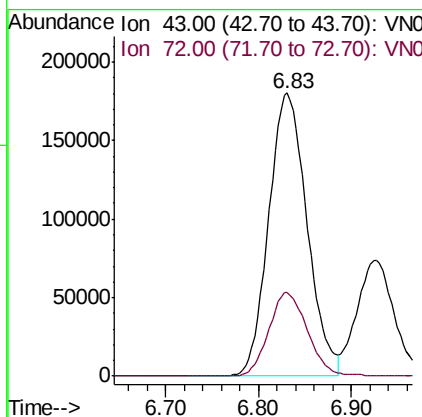
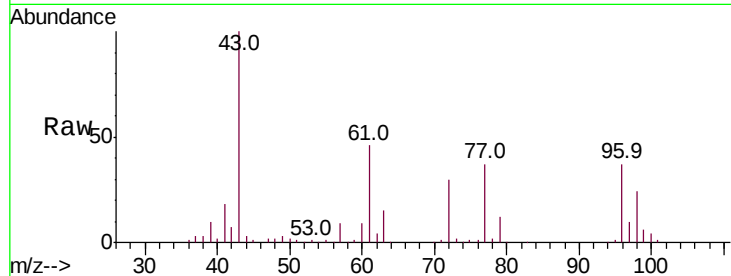
#25
2-Butanone
Concen: 226.390 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 520371
Ion Ratio Lower Upper
43 100
72 29.7 22.3 33.5

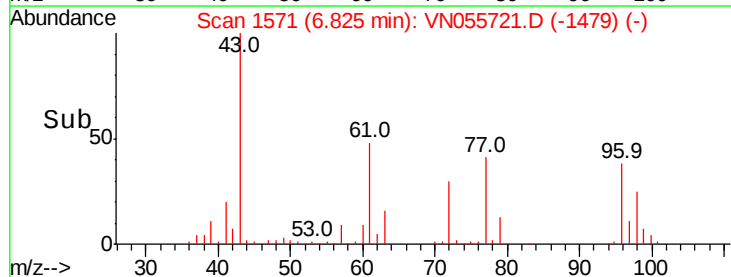
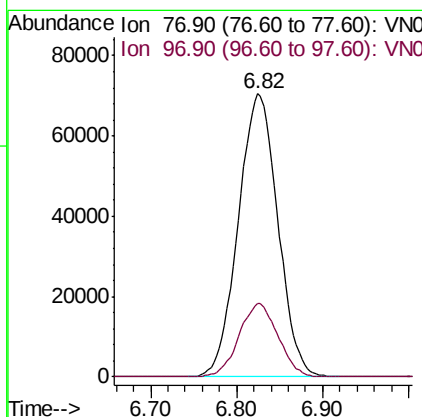
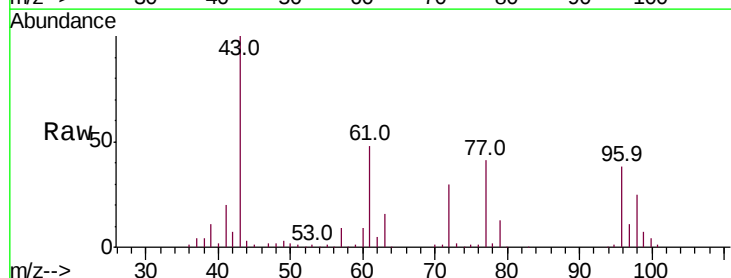
Manual Integrations
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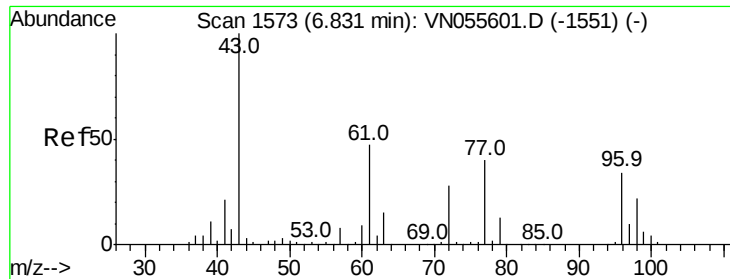
MMDadoda
5/22/2019 4:10:57 PM



#26
2,2-Dichloropropane
Concen: 40.346 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Tgt Ion: 77 Resp: 225407
Ion Ratio Lower Upper
77 100
97 25.6 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 46.778 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Instrument :

MSVOA_N

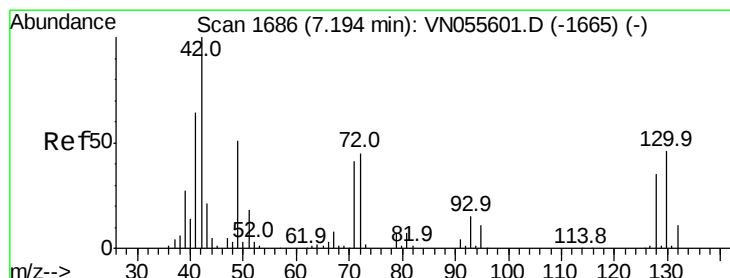
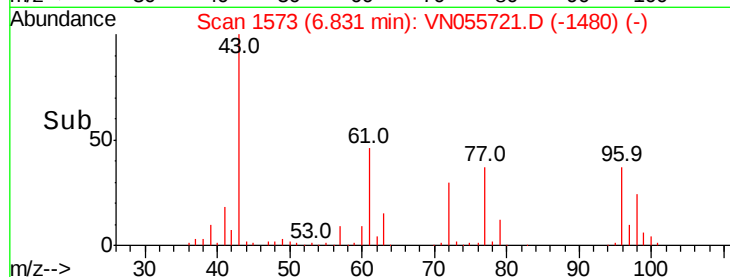
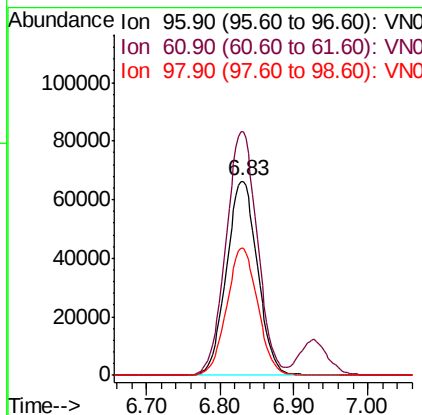
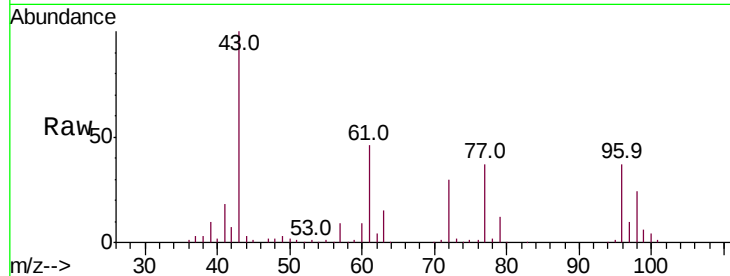
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	194738
Ion	Ratio	Lower	Upper
96	100		
61	126.6	0.0	279.0
98	65.1	0.0	131.6

Manual Integrations
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5/22/2019 4:10:57 PM



#28

Bromochloromethane

Concen: 40.706 ug/l

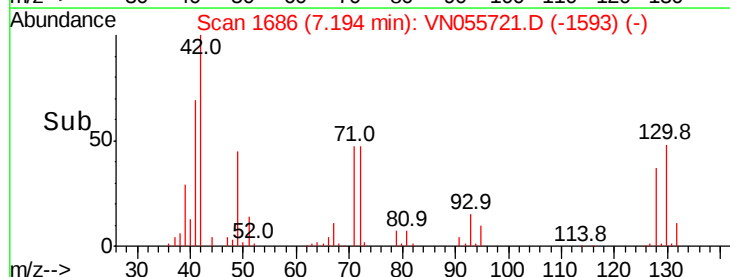
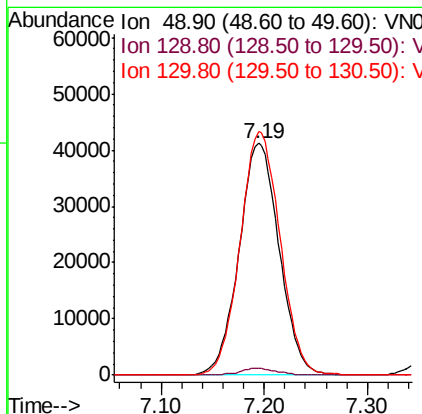
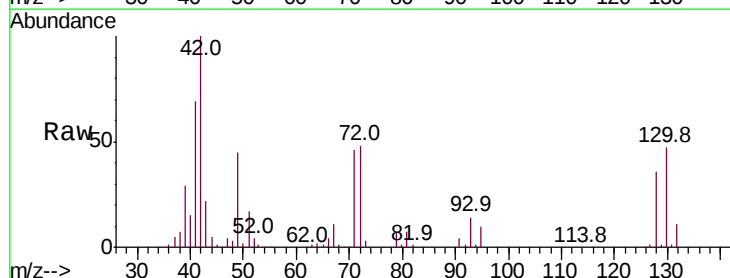
RT: 7.19 min Scan# 1686

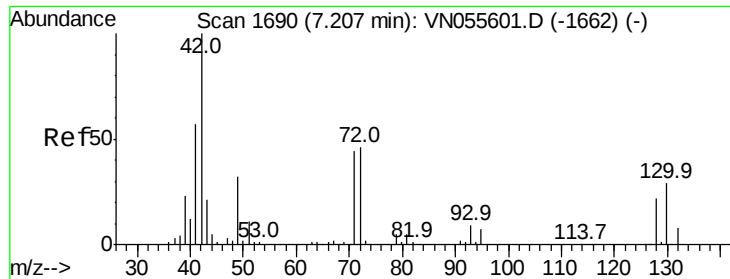
Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Tgt Ion:	49	Resp:	111477
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.4
130	104.5	71.0	106.6





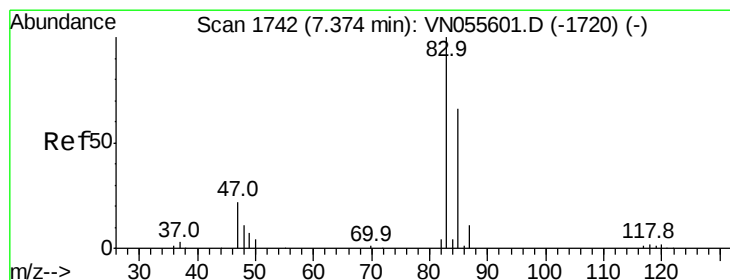
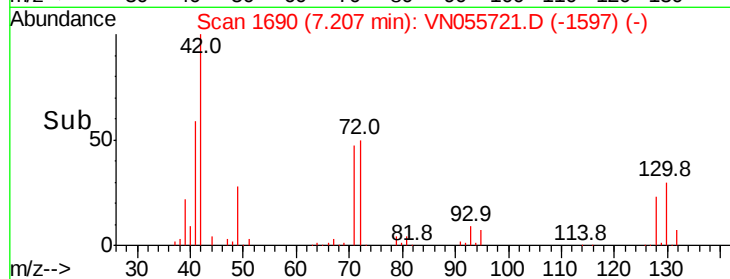
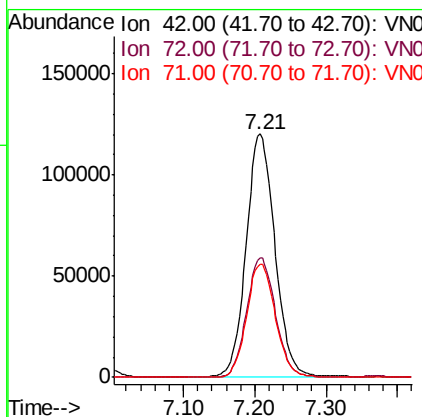
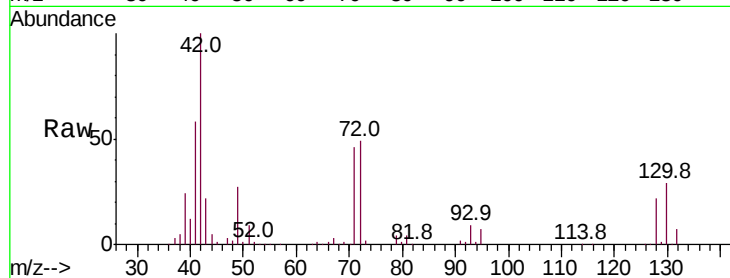
#29
Tetrahydrofuran
Concen: 222.143 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.3	36.5	54.7
71	46.4	34.9	52.3

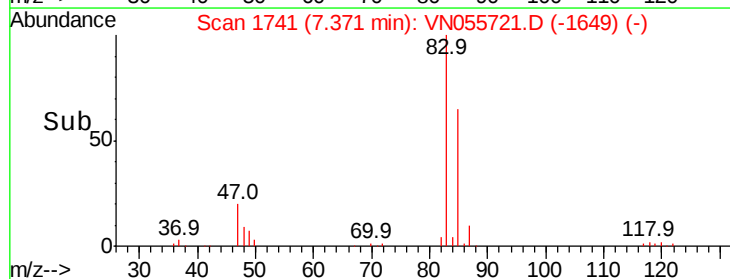
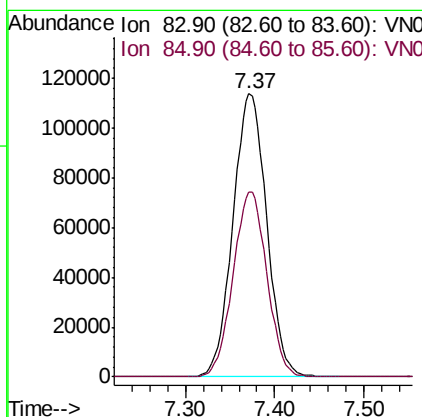
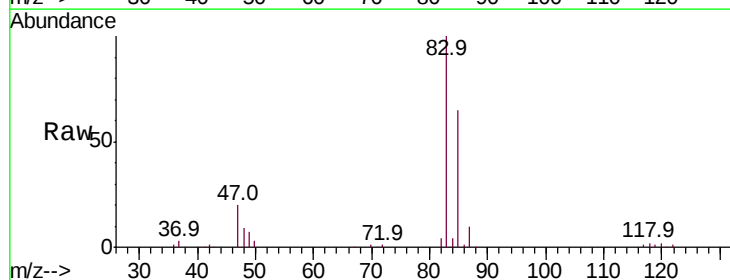
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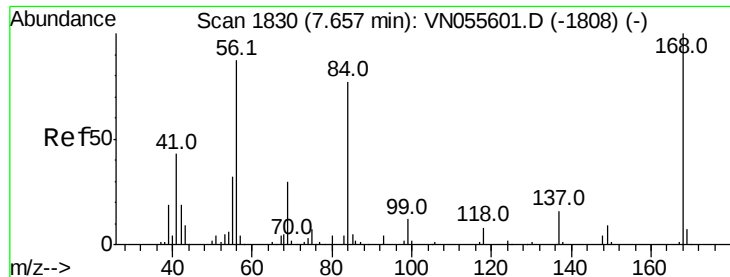
MMDadoda
5/22/2019 4:10:57 PM



#30
Chloroform
Concen: 46.110 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.6	78.8





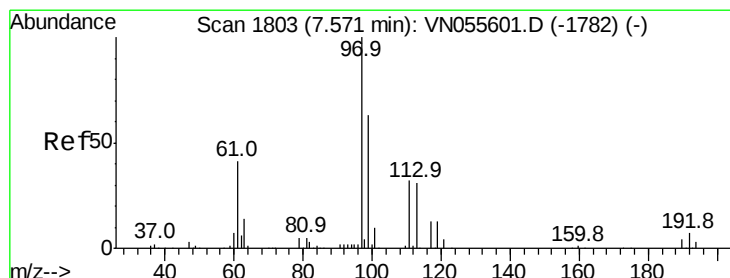
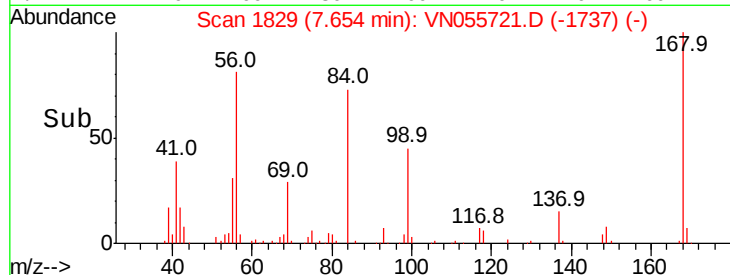
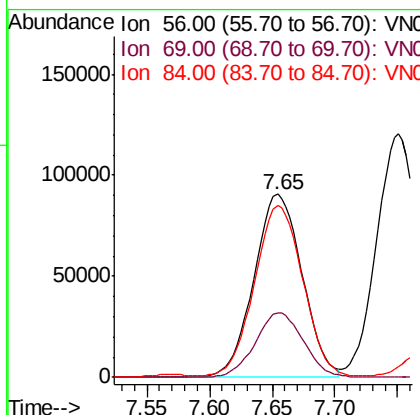
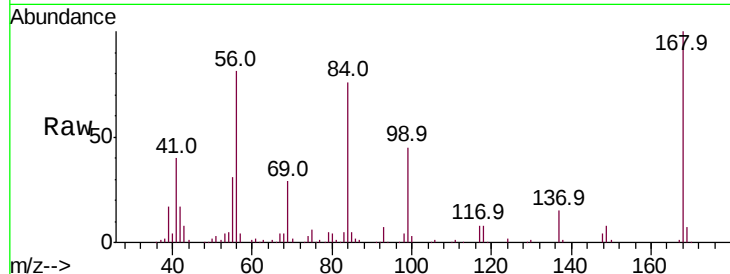
#31
Cyclohexane
Concen: 40.516 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.5	27.2	40.8
84	93.1	71.3	106.9

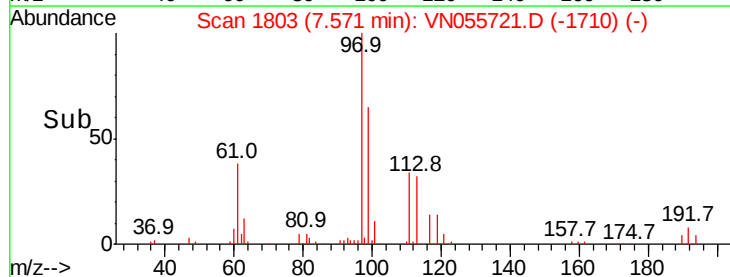
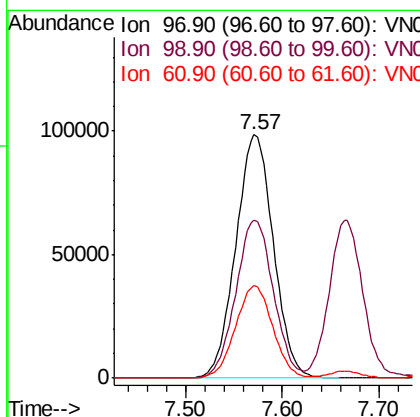
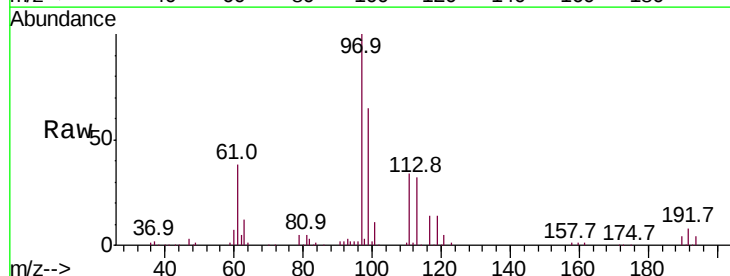
Manual Integrations
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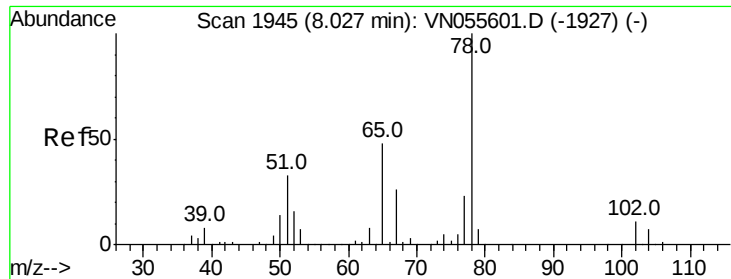
MMDadoda
5/22/2019 4:10:57 PM



#32
1,1,1-Trichloroethane
Concen: 45.941 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.2
61	37.6	32.9	49.3





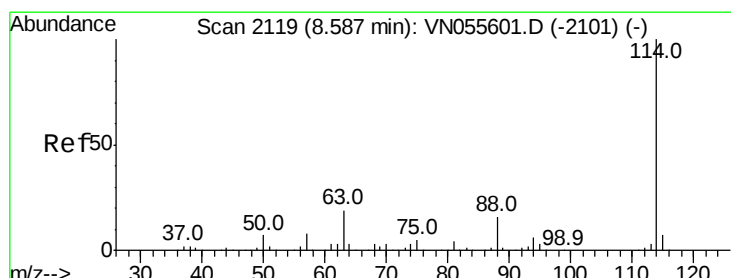
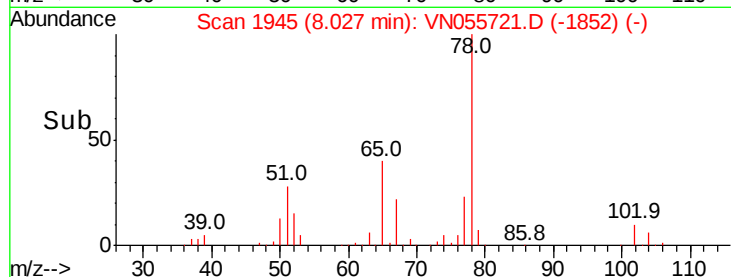
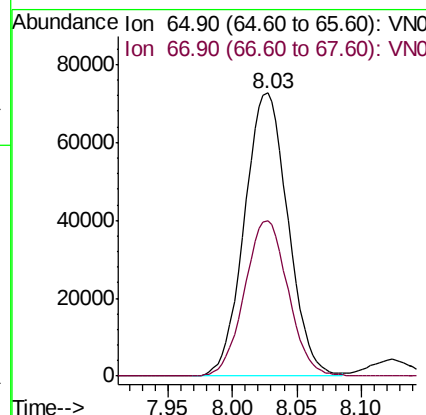
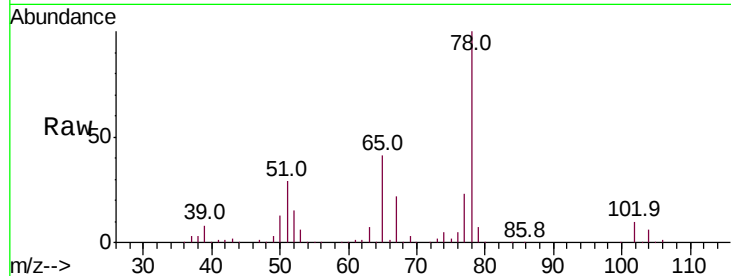
#33
 1,2-Dichloroethane-d4
 Concen: 42.453 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055721.D
 Acq: 21 May 2019 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	171013		
67	55.0	0.0	108.6	

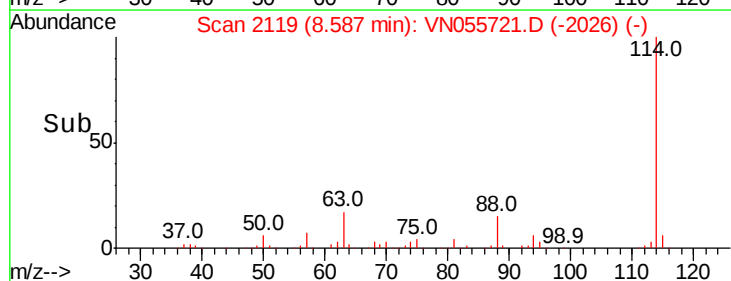
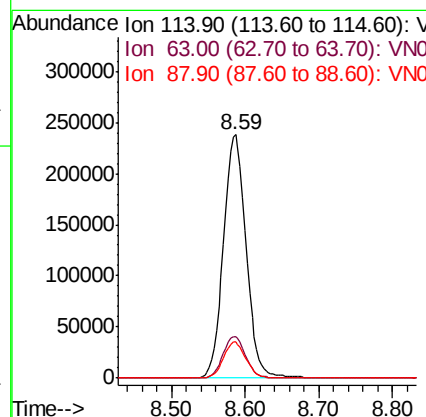
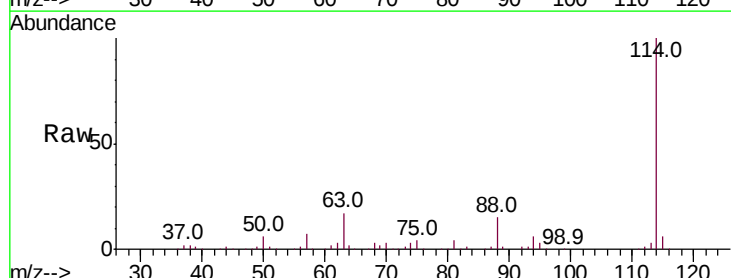
Manual Integrations
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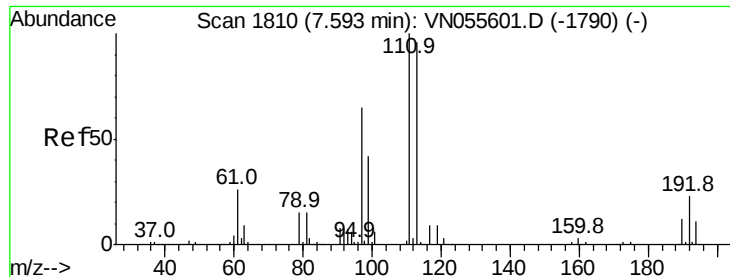
MMDadoda
 5/22/2019 4:10:57 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055721.D
 Acq: 21 May 2019 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	509389		
63	17.2	0.0	38.2	
88	14.8	0.0	31.0	





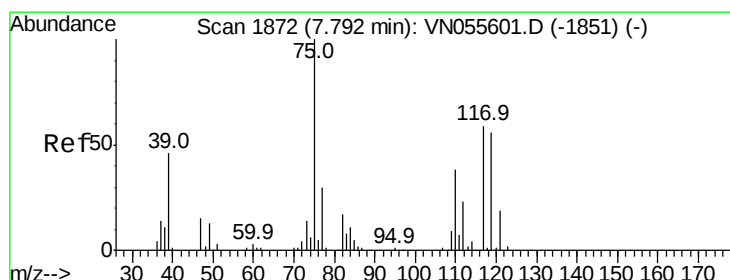
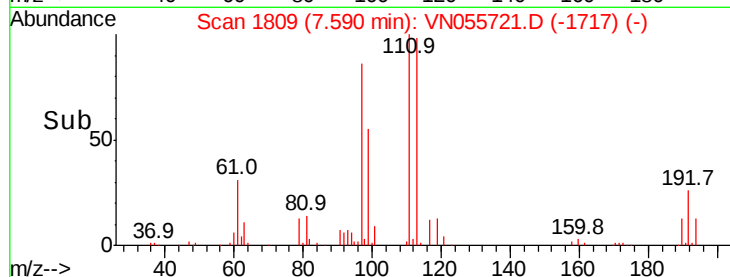
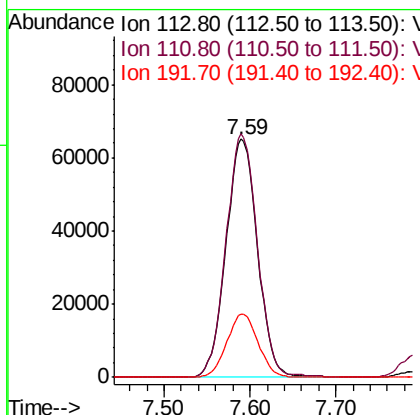
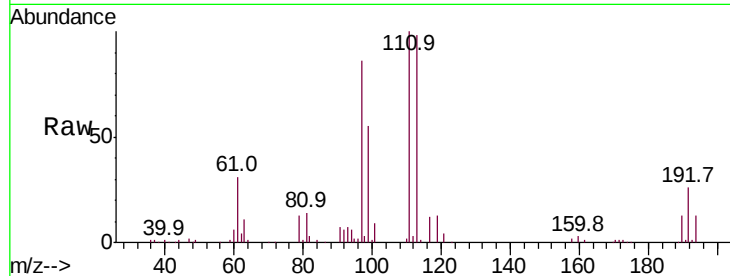
#35
 Dibromofluoromethane
 Concen: 51.228 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055721.D
 Acq: 21 May 2019 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.0	82.5	123.7	
192	26.3	18.7	28.1	

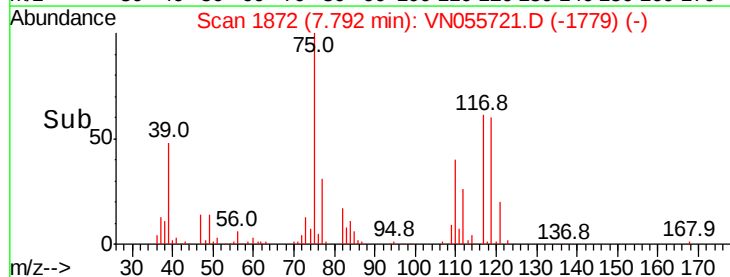
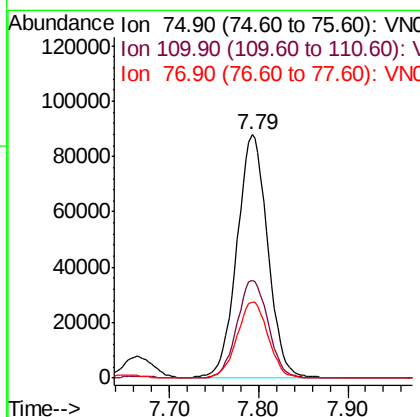
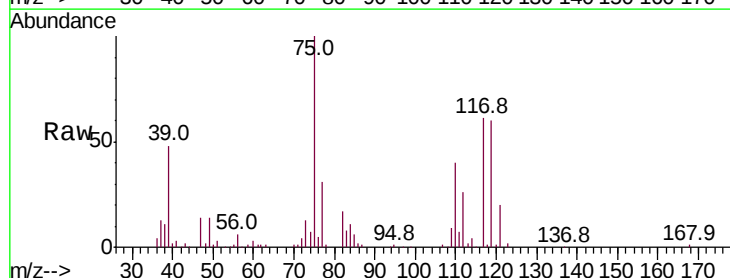
Manual Integrations
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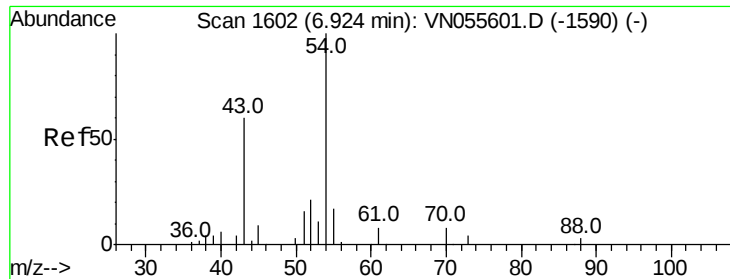
MMDadoda
 5/22/2019 4:10:57 PM



#36
 1,1-Dichloropropene
 Concen: 46.156 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN055721.D
 Acq: 21 May 2019 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	40.9	18.6	55.6	
77	31.9	24.9	37.3	





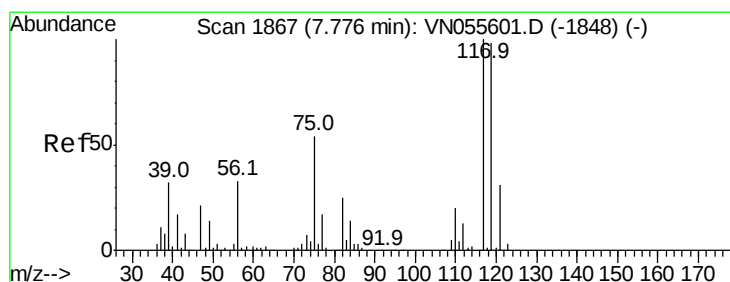
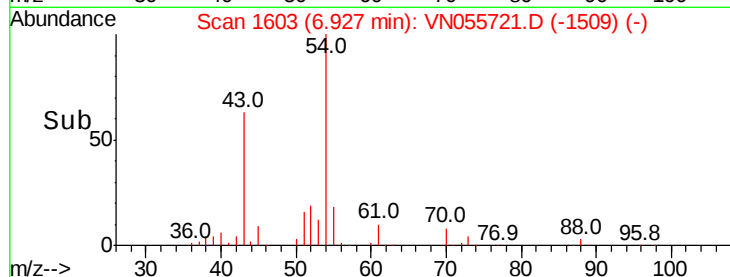
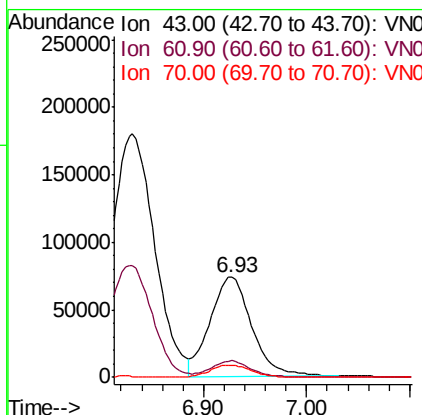
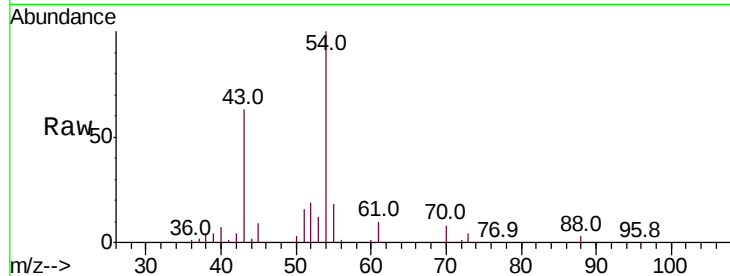
#37
Ethyl Acetate
Concen: 50.792 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	11.4	17.0
70	12.2	9.2	13.8

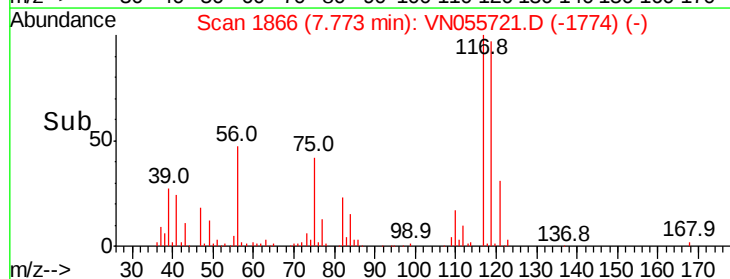
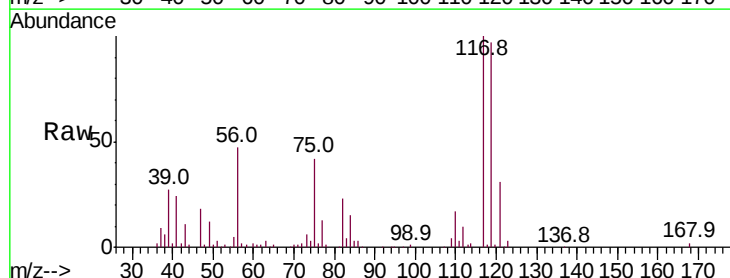
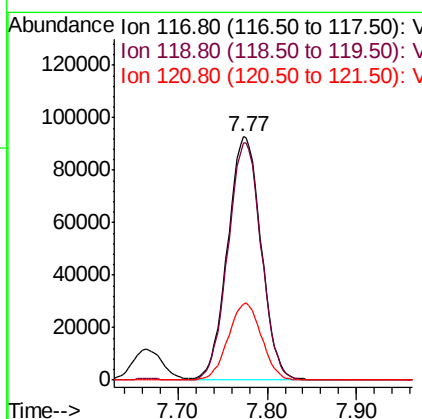
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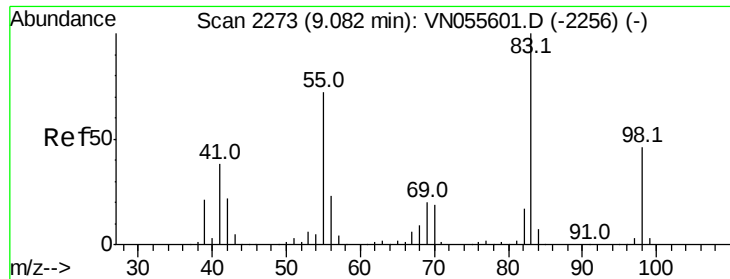
MMDadoda
5/22/2019 4:10:57 PM



#38
Carbon Tetrachloride
Concen: 49.873 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.8	116.8
121	31.4	24.6	37.0





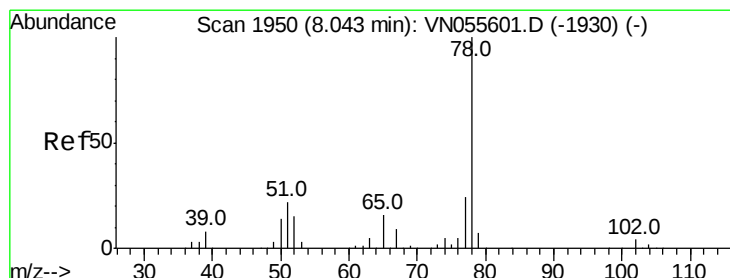
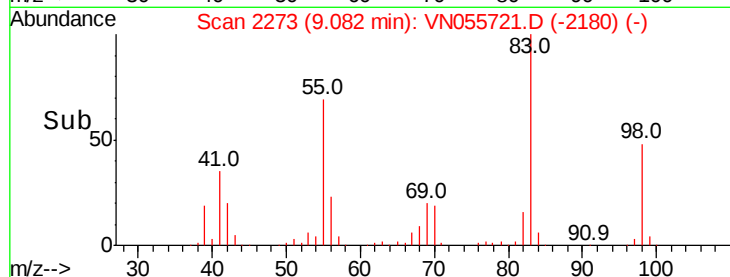
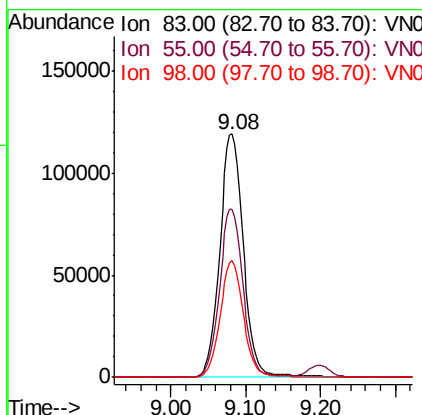
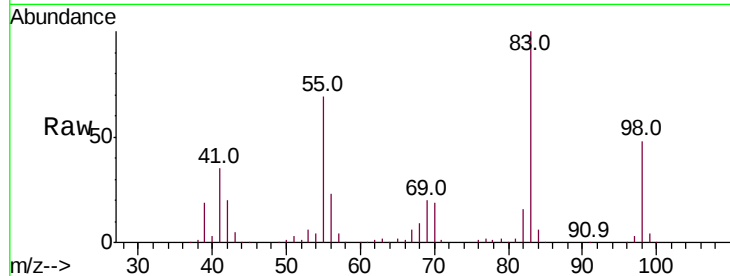
#39
Methvlcvclohexane
Concen: 47.431 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.2	57.8	86.6
98	47.8	36.7	55.1

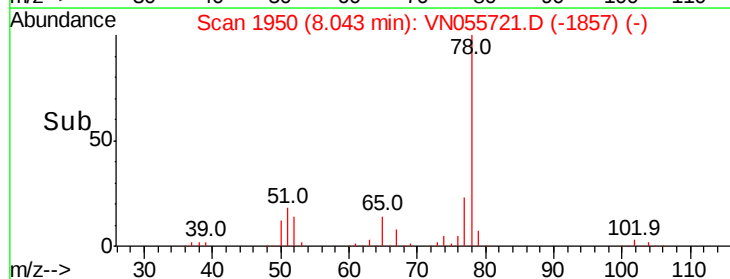
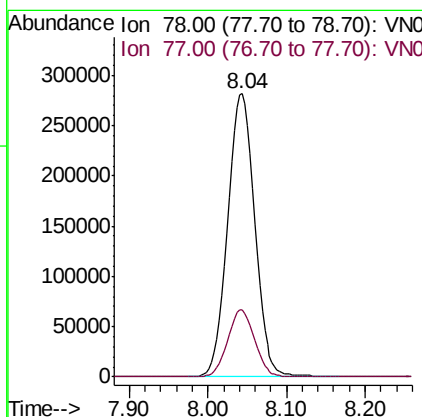
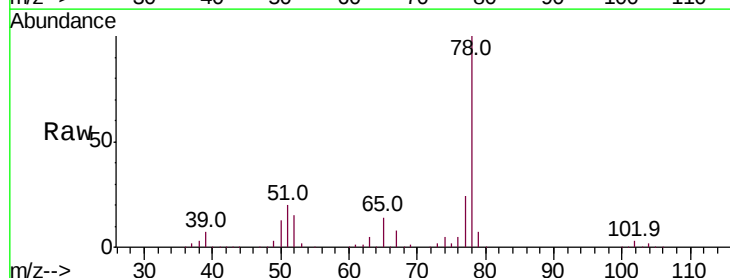
Manual Integrations
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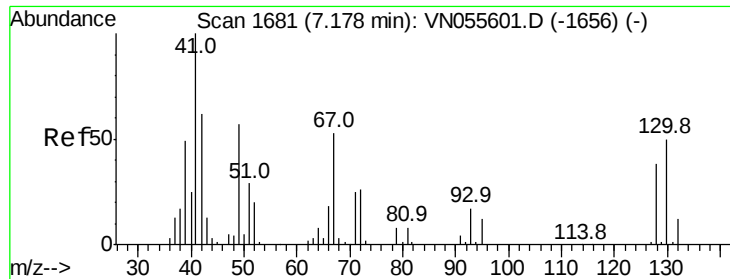
MMDadoda
5/22/2019 4:10:57 PM



#40
Benzene
Concen: 50.350 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





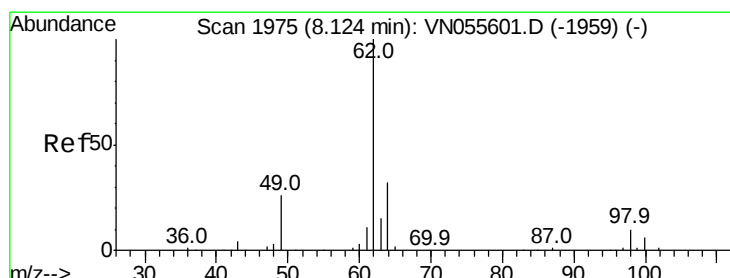
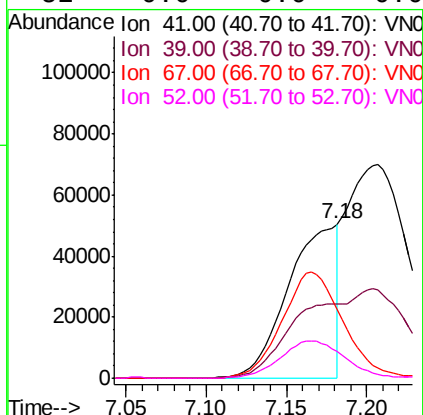
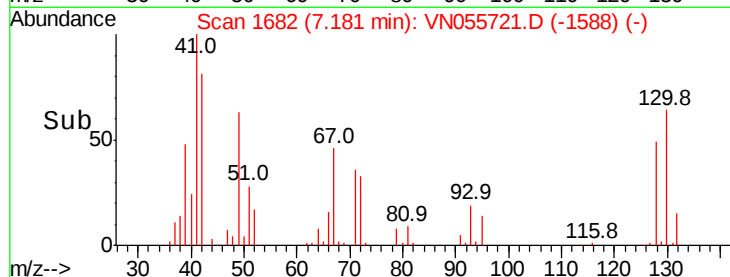
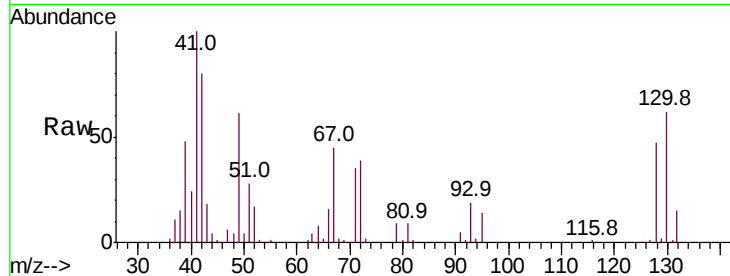
#41
Methacrylonitrile
Concen: 61.533 ug/l m
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	126.0	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

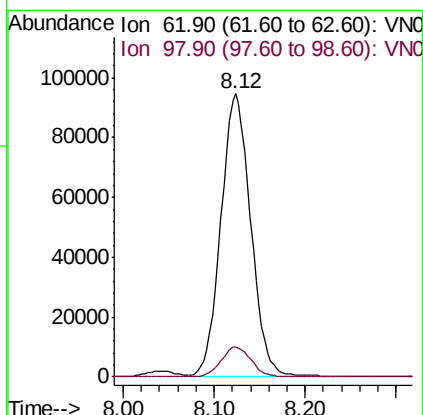
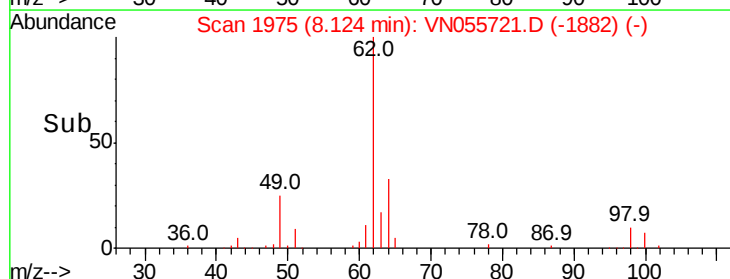
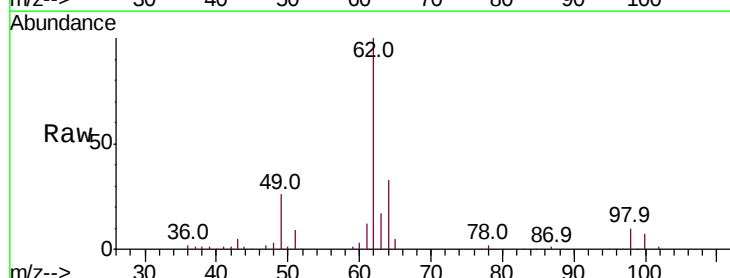
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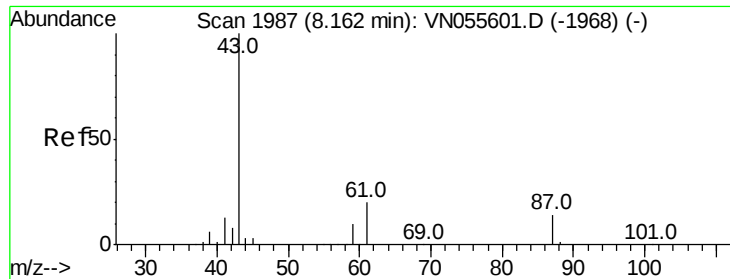
MMDadoda
5/22/2019 4:10:57 PM



#42
1,2-Dichloroethane
Concen: 49.671 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.2





#43

Isopropyl Acetate

Concen: 56.945 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Instrument :

MSVOA_N

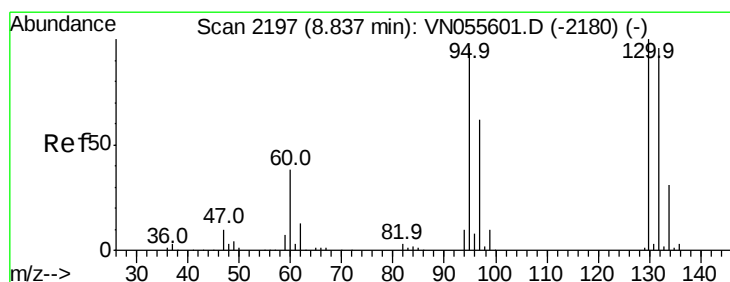
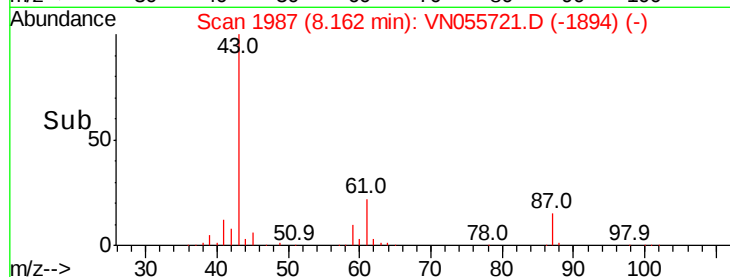
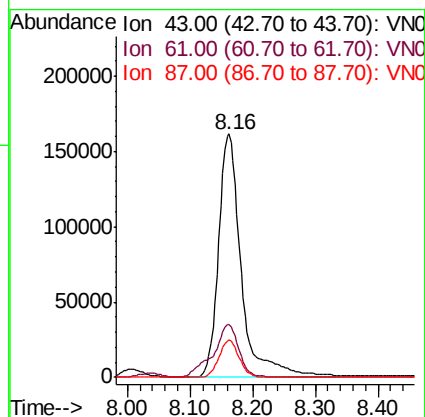
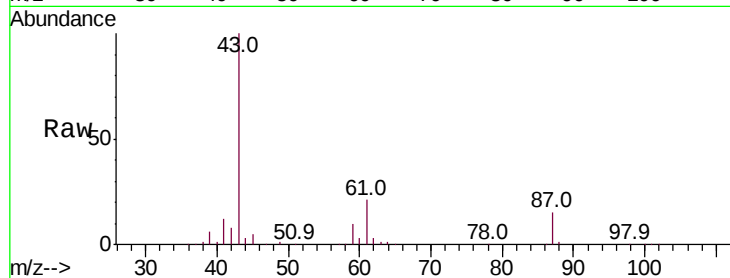
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	405947
Ion	Ratio	Lower	Upper
43	100		
61	25.0	22.1	33.1
87	13.6	11.8	17.6

Manual Integrations
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#44

Trichloroethene

Concen: 54.422 ug/l

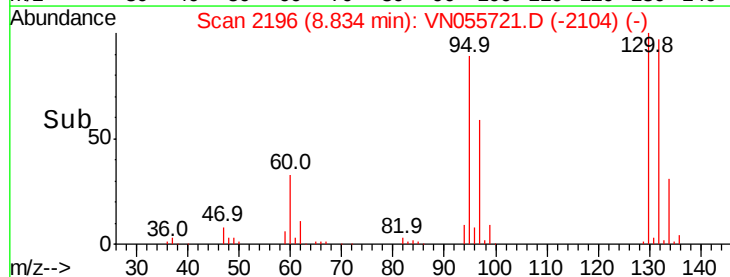
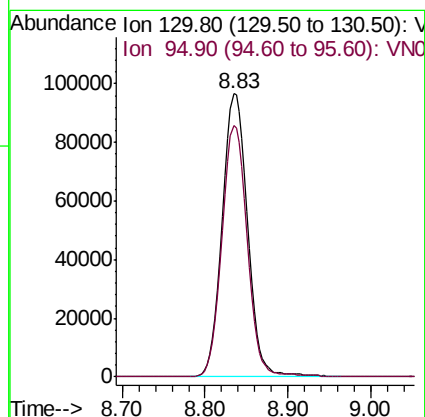
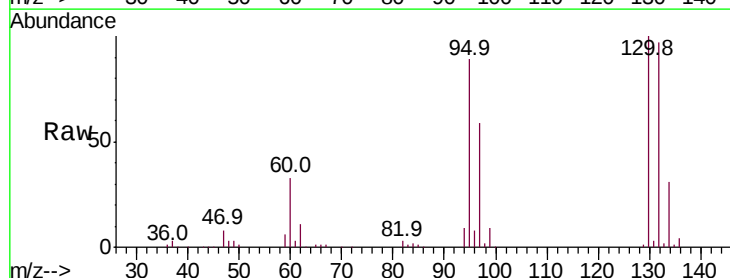
RT: 8.83 min Scan# 2196

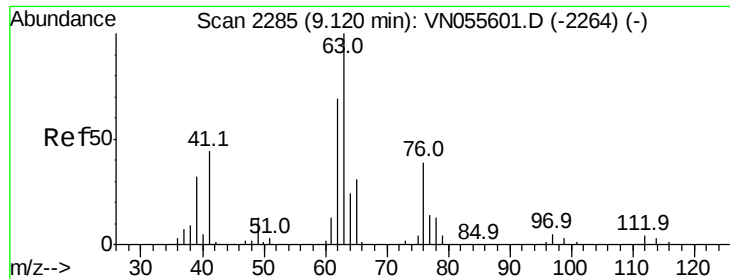
Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Tgt Ion:	130	Resp:	205130
Ion	Ratio	Lower	Upper
130	100		
95	89.0	0.0	191.0





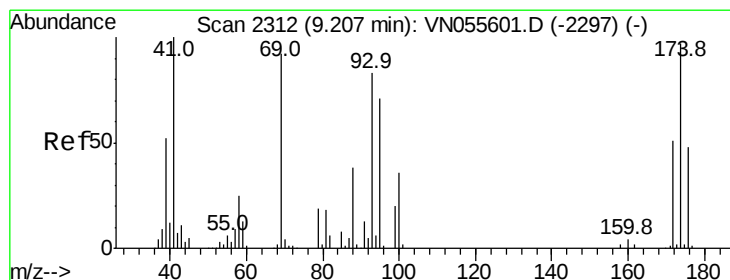
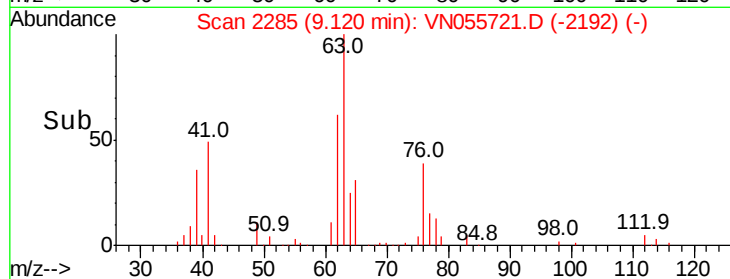
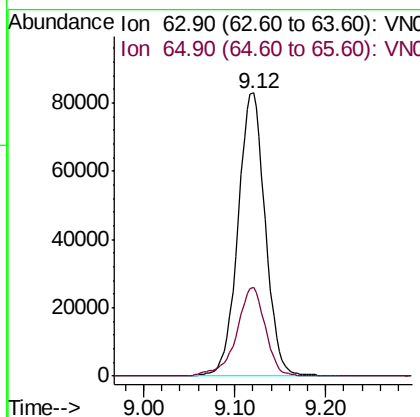
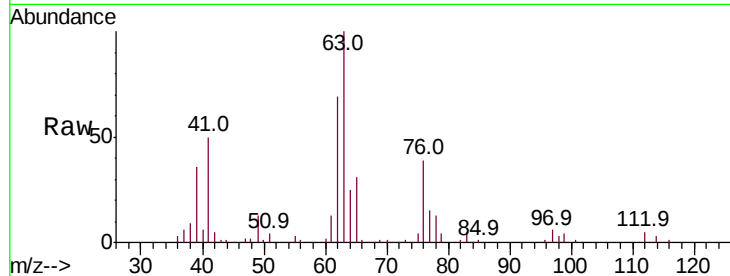
#45
 1,2-Dichloropropane
 Concen: 49.058 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN055721.D
 Acq: 21 May 2019 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.2	37.8

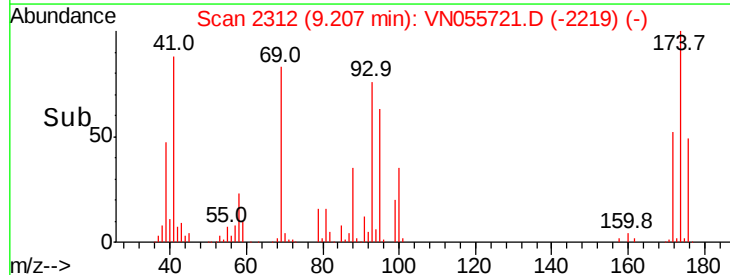
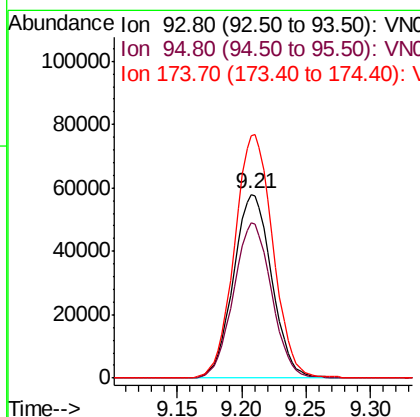
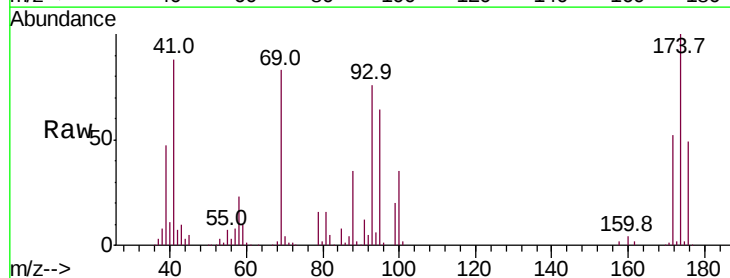
Manual Integrations
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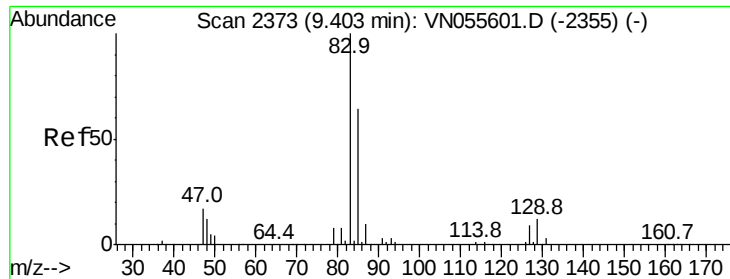
MMDadoda
 5/22/2019 4:10:57 PM



#46
 Dibromomethane
 Concen: 51.912 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055721.D
 Acq: 21 May 2019 19:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	67.9	101.9
174	133.2	93.8	140.6





#47

Bromodichloromethane

Concen: 50.479 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Instrument :

MSVOA_N

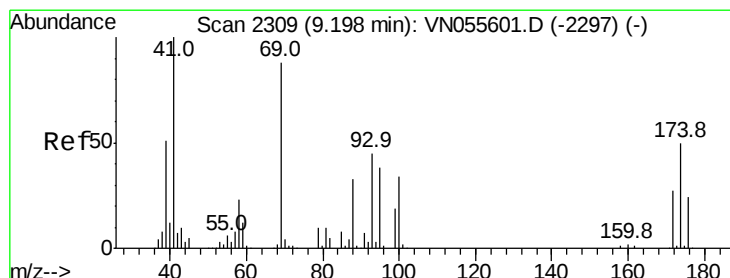
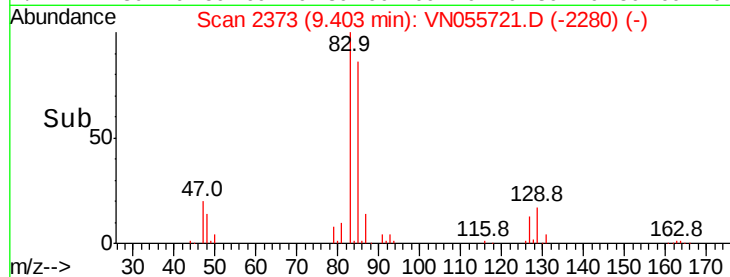
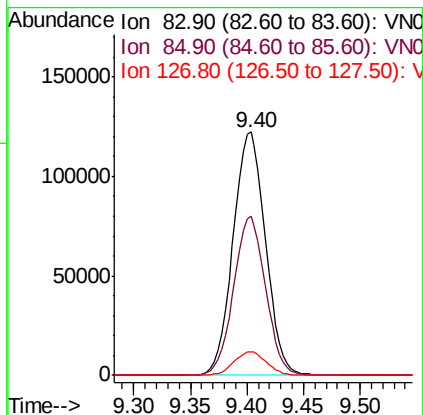
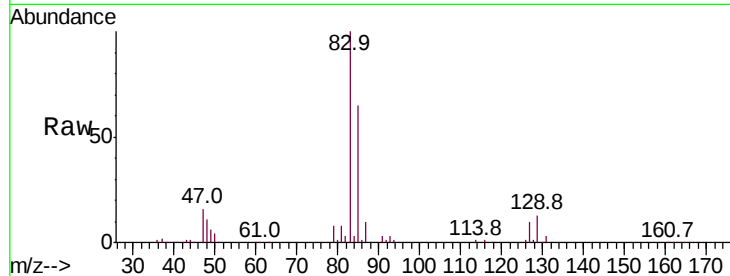
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	243673
Ion Ratio	Lower	Upper	
83	100		
85	65.2	51.4	77.0
127	9.8	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.506 ug/l

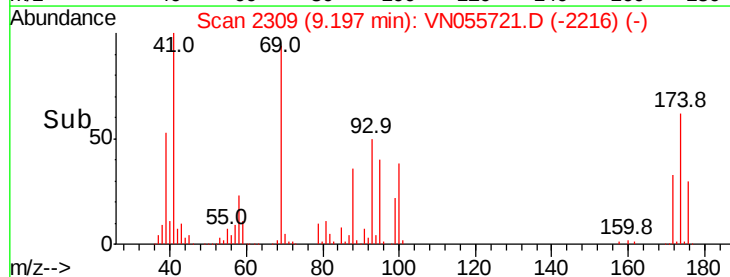
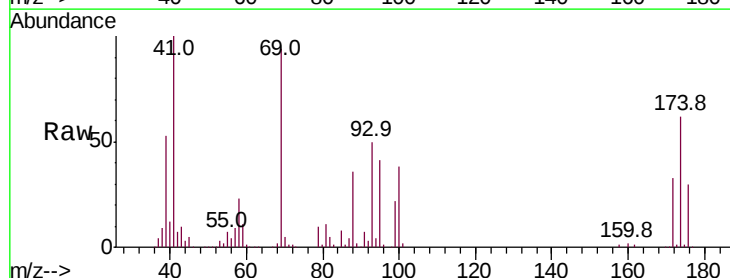
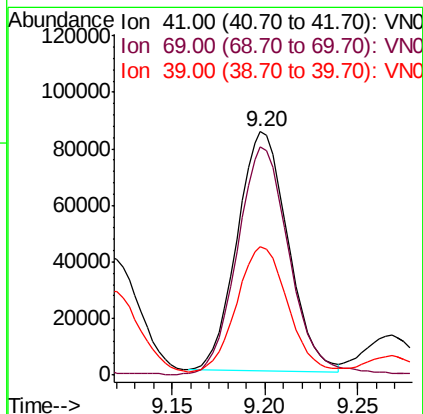
RT: 9.20 min Scan# 2309

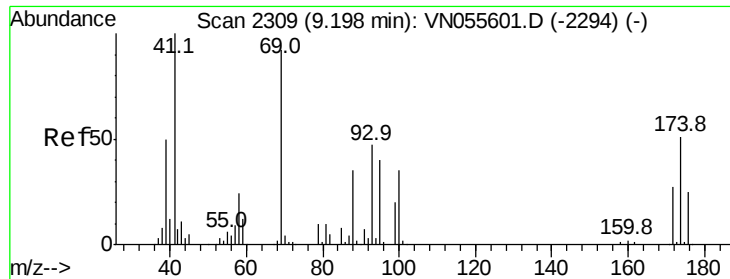
Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Tgt Ion:	41	Resp:	160929
Ion Ratio	Lower	Upper	
41	100		
69	99.1	74.2	111.2
39	55.1	43.8	65.8





#49

1,4-Dioxane

Concen: 1182.121 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Instrument :

MSVOA_N

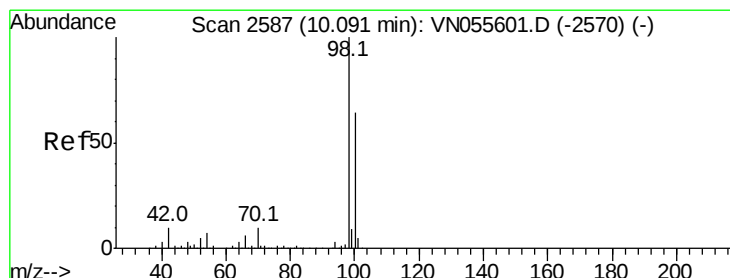
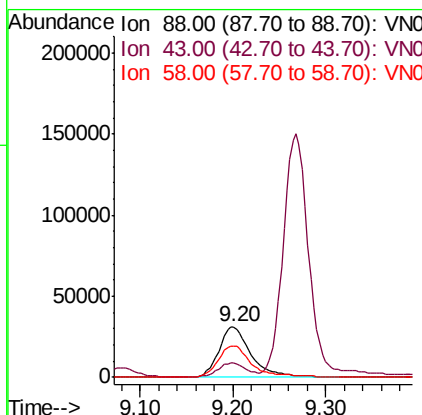
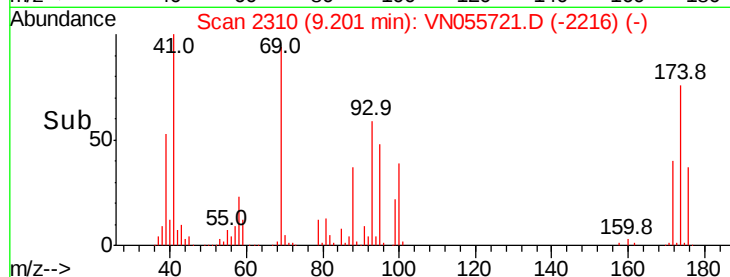
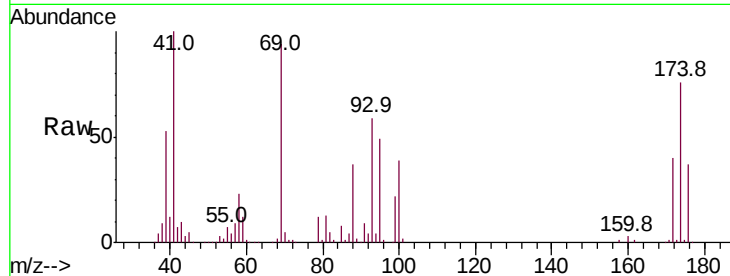
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	74845
Ion	Ratio	Lower	Upper
88	100		
43	24.0	22.4	33.6
58	65.5	53.4	80.2

Manual Integrations
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#50

Toluene-d8

Concen: 49.527 ug/l

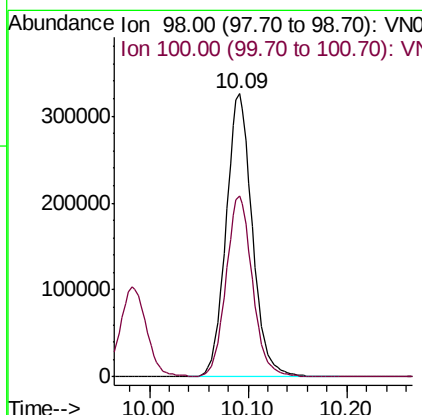
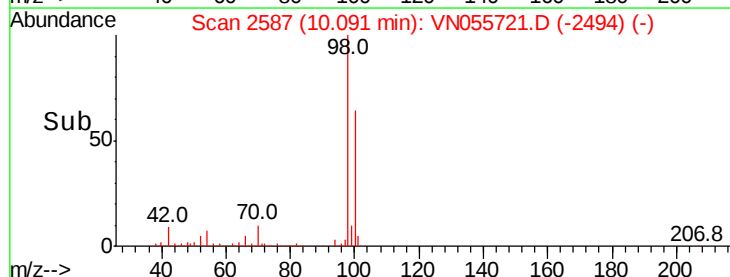
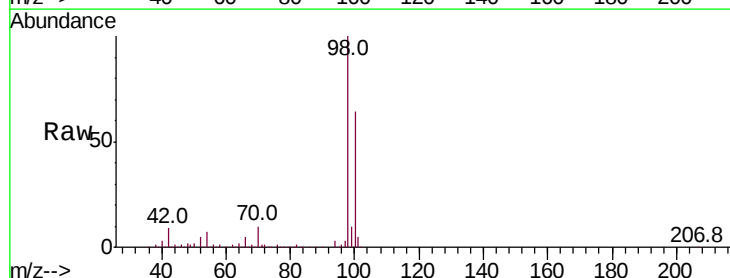
RT: 10.09 min Scan# 2587

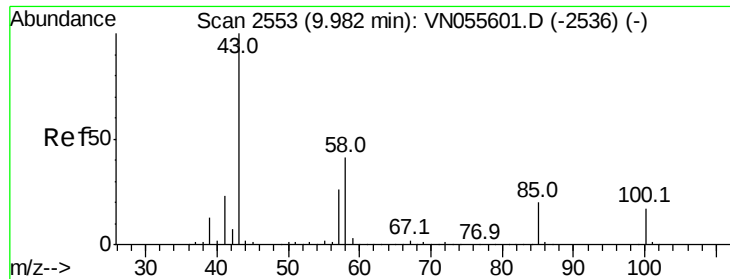
Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Tgt Ion:	98	Resp:	605970
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 249.636 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Tot Ion: 43 Resp: 1043875

Ion Ratio Lower Upper

43 100

58 42.5 32.7 49.1

Instrument :

MSVOA_N

ClientSampleId :

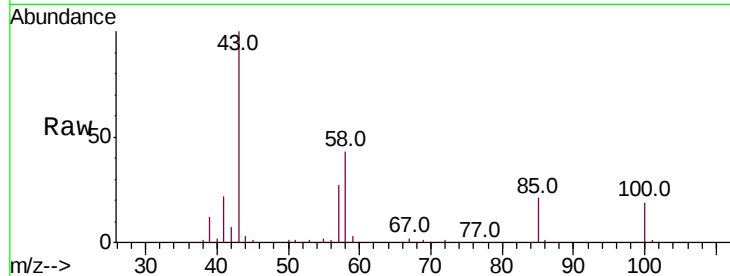
VSTDCCC050EC

Manual Integrations

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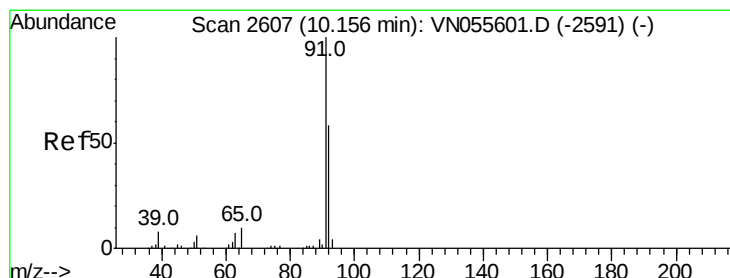
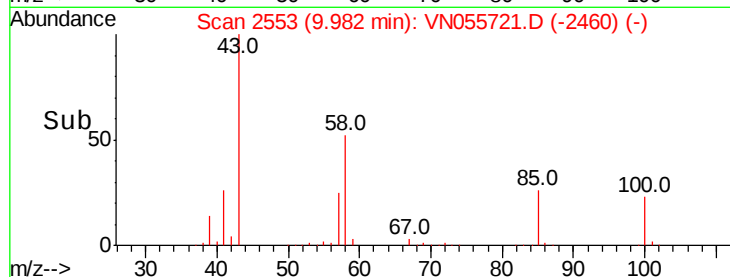
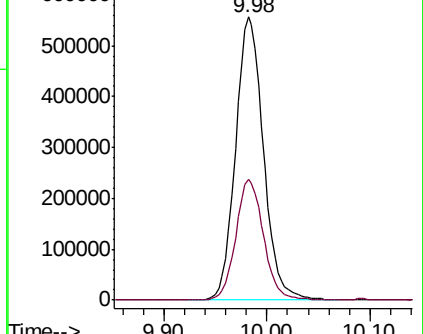
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.992 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055721.D

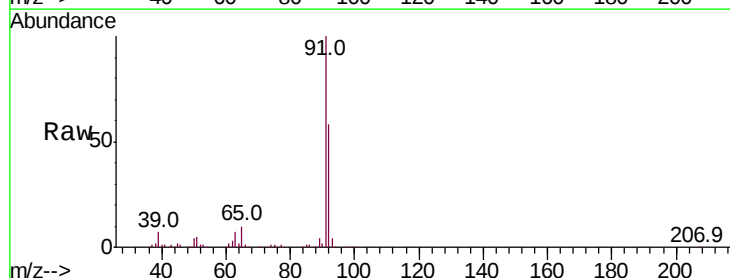
Acq: 21 May 2019 19:55

Tgt Ion: 92 Resp: 435605

Ion Ratio Lower Upper

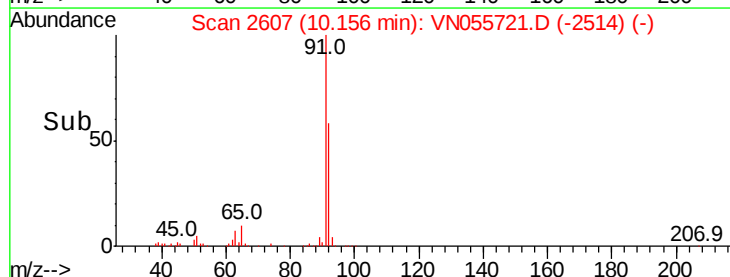
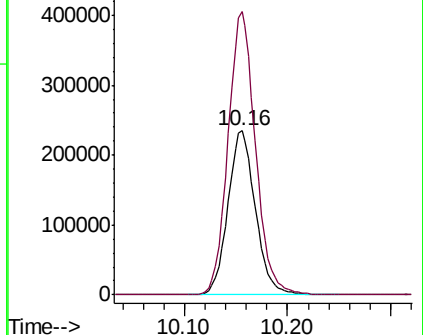
92 100

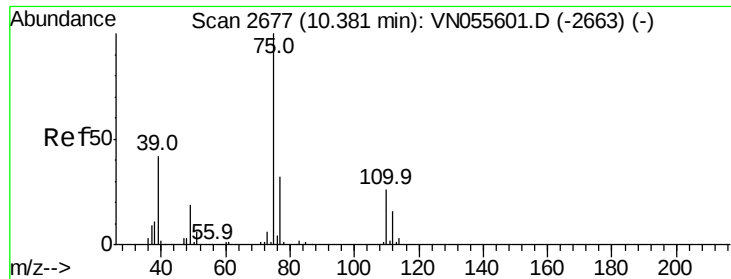
91 172.3 138.9 208.3



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: 50.297 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 261315

Ion Ratio Lower Upper

75 100

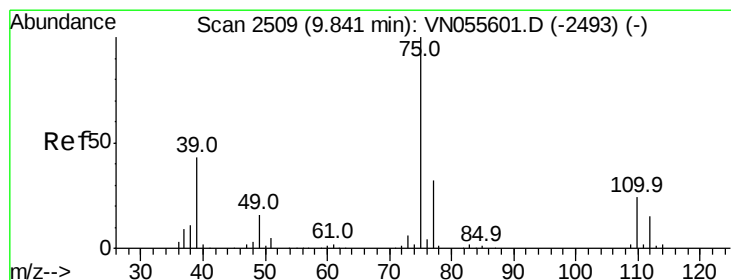
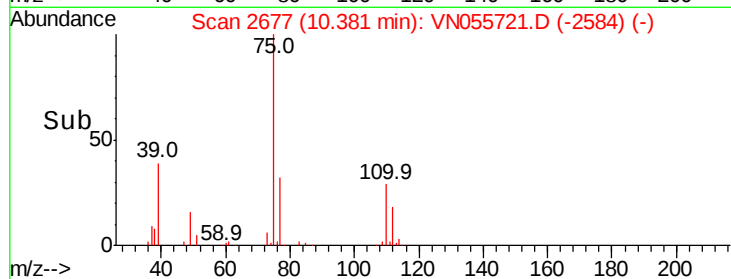
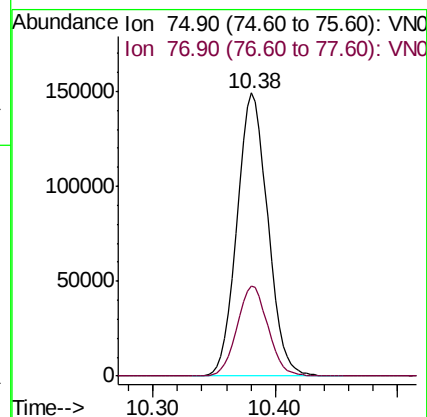
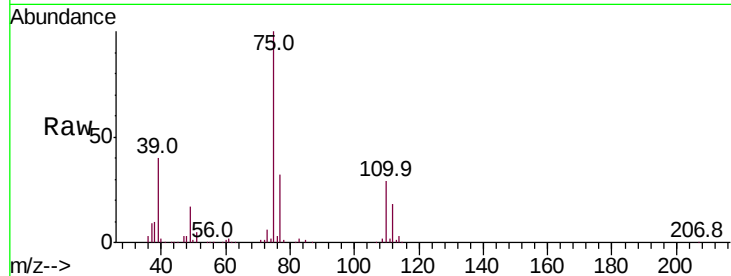
77 31.8 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 49.389 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

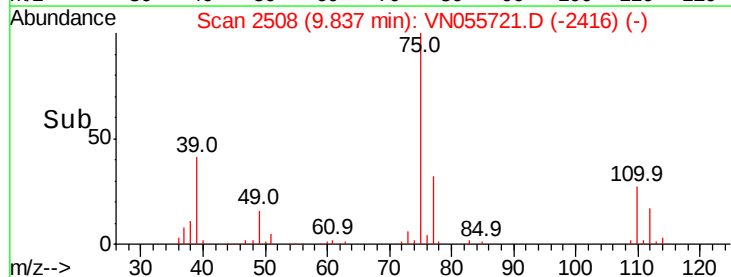
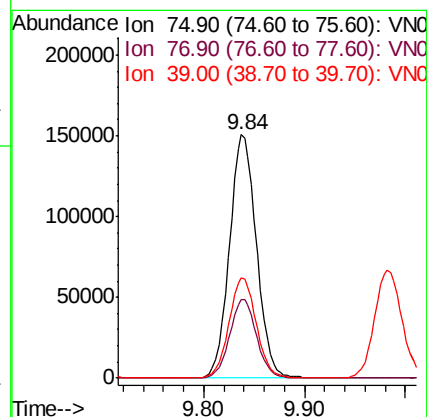
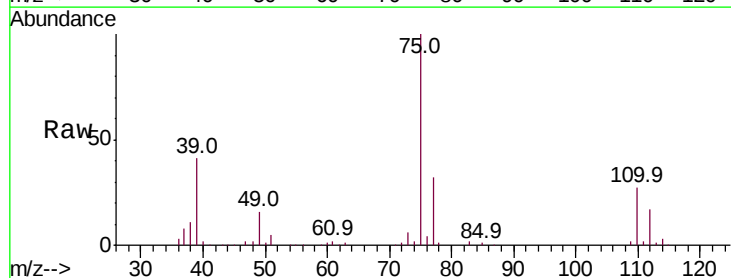
Tgt Ion: 75 Resp: 281108

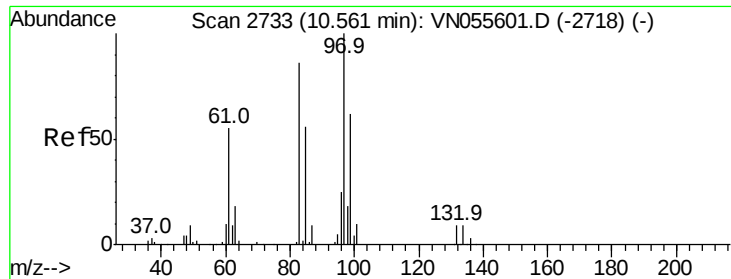
Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5

39 41.2 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 52.838 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Instrument :

MSVOA_N

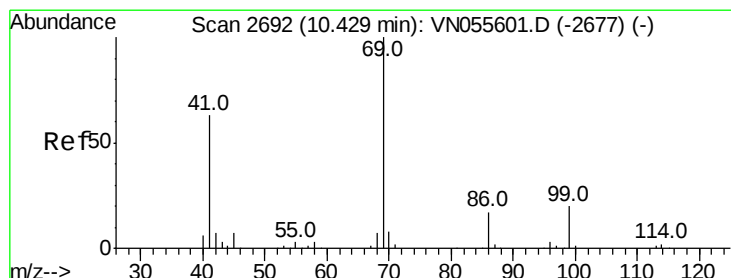
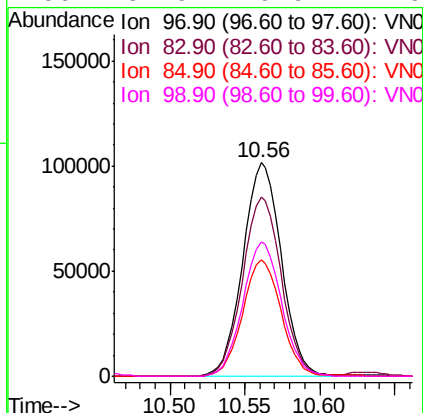
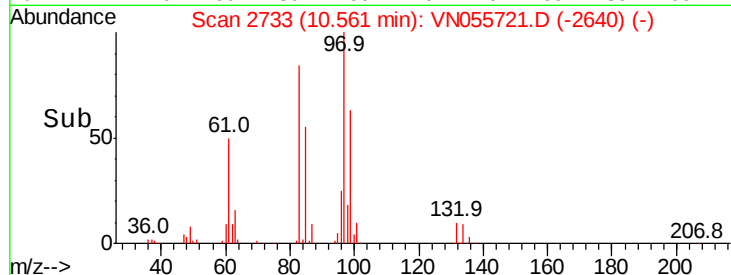
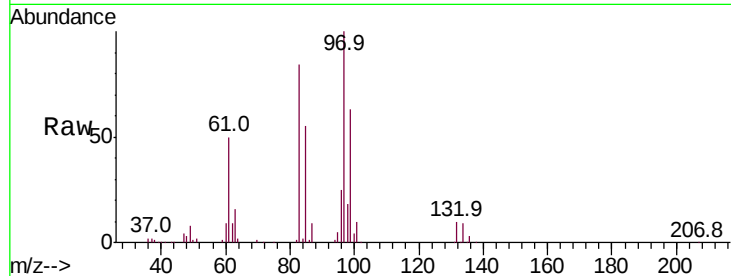
ClientSampleId :

VSTDCCC050EC

Tot Ion	97	Resp	182250
Ion	Ratio	Lower	Upper
97	100		
83	83.8	68.4	102.6
85	54.5	44.8	67.2
99	62.9	49.9	74.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 50.547 ug/l

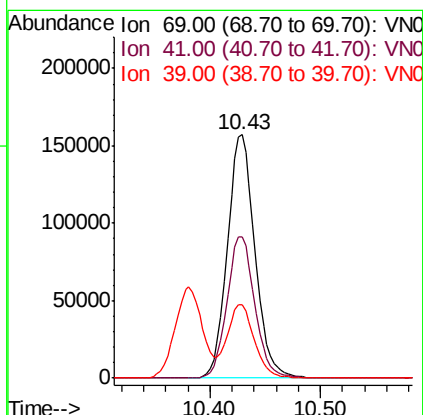
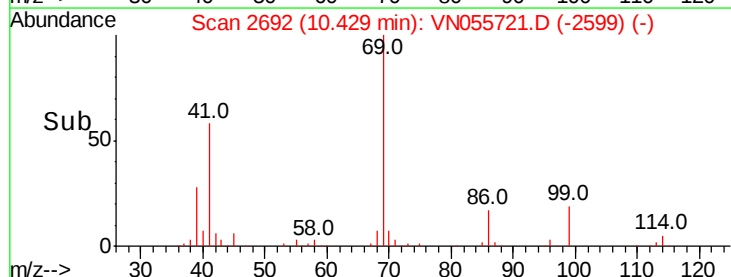
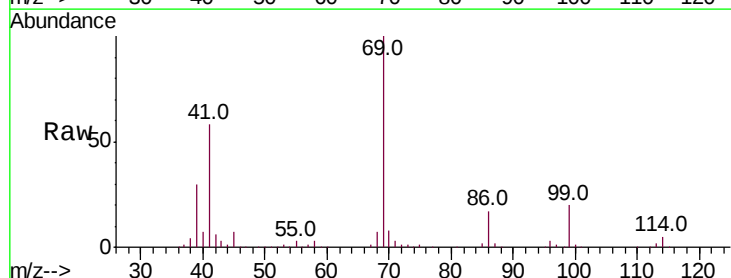
RT: 10.43 min Scan# 2692

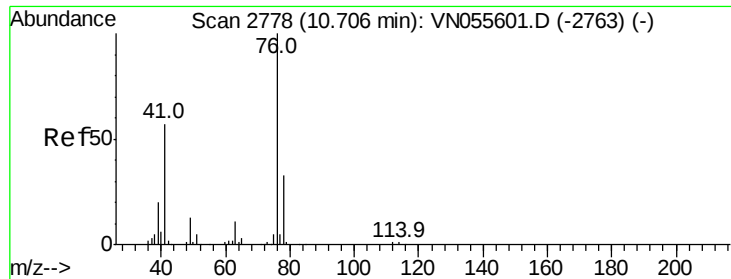
Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Tgt Ion	69	Resp	272165
Ion	Ratio	Lower	Upper
69	100		
41	58.3	50.3	75.5
39	29.6	25.4	38.2





#57

1,3-Dichloropropane

Concen: 51.948 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 76 Resp: 283787

Ion Ratio Lower Upper

76 100

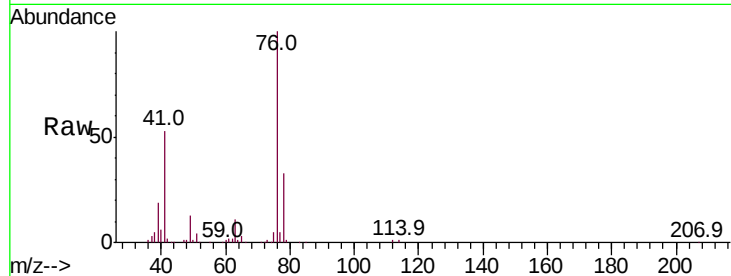
78 32.5 26.5 39.7

Manual Integrations

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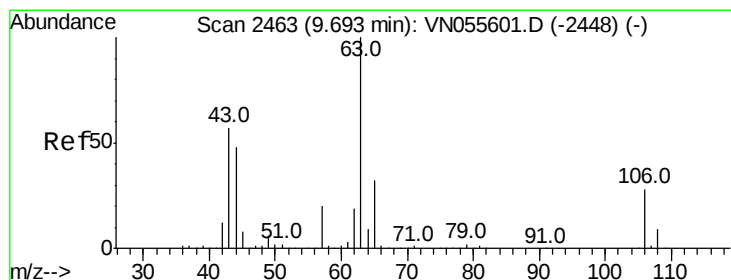
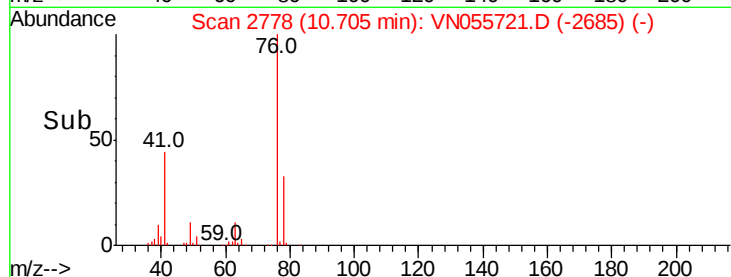
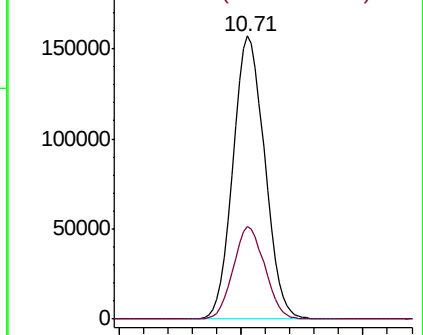
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 205.252 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055721.D

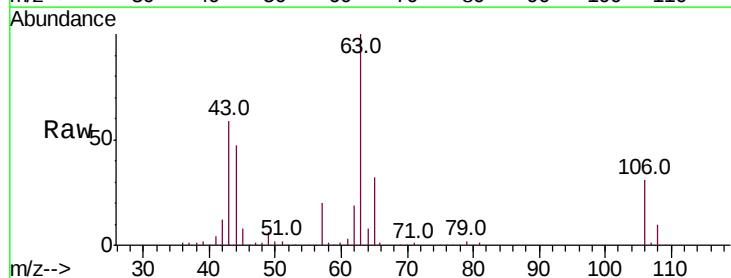
Acq: 21 May 2019 19:55

Tgt Ion: 63 Resp: 469577

Ion Ratio Lower Upper

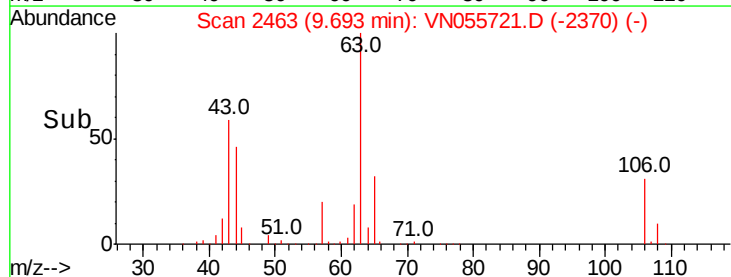
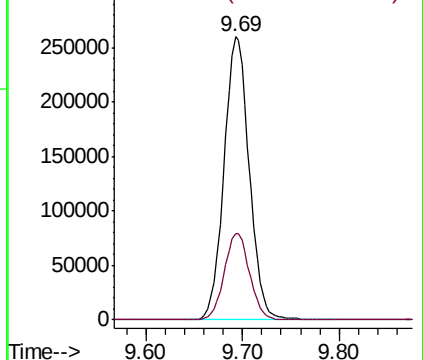
63 100

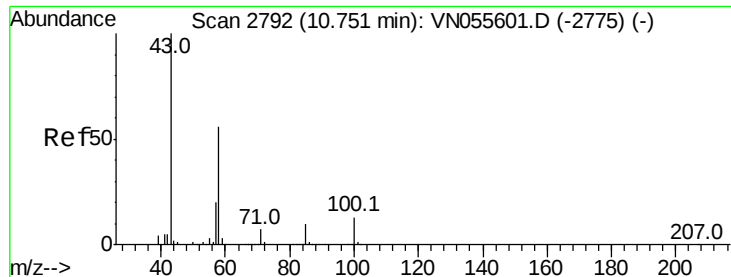
106 30.9 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





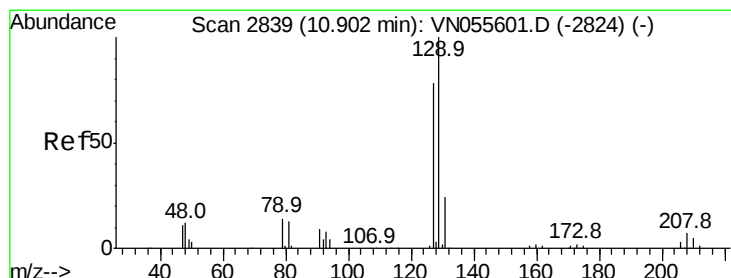
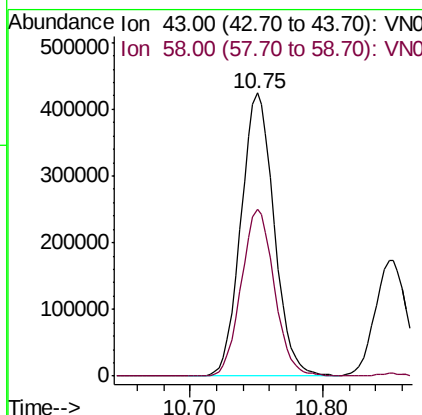
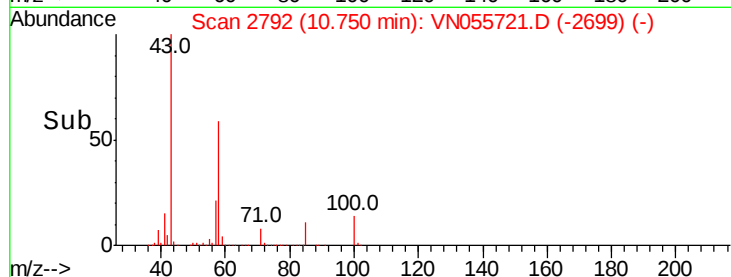
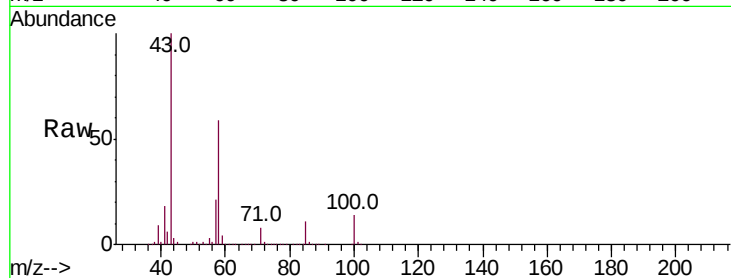
#59
2-Hexanone
Concen: 249.606 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 734851
Ion Ratio Lower Upper
43 100
58 59.0 28.1 84.4

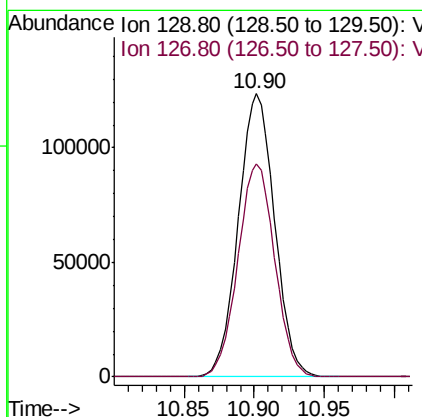
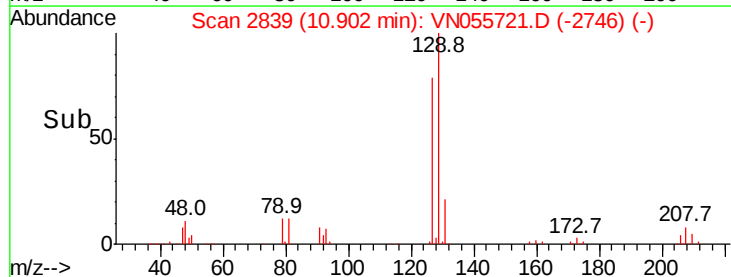
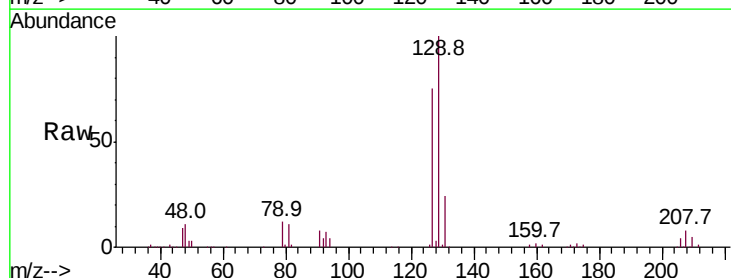
Manual Integrations
APPROVED

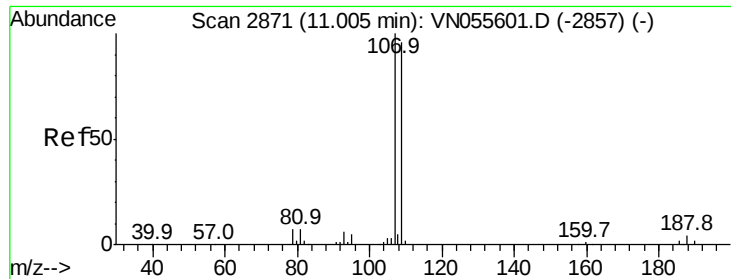
MMDadoda
5/22/2019 4:10:57 PM



#60
Dibromochloromethane
Concen: 56.948 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Tgt Ion: 129 Resp: 222622
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 55.204 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 190518

Ion Ratio Lower Upper

107 100

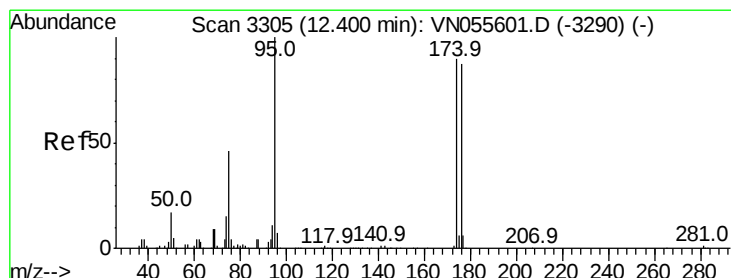
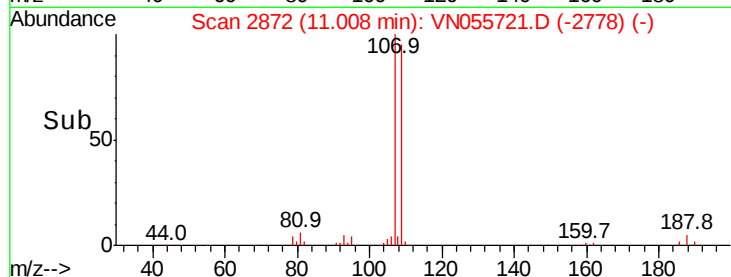
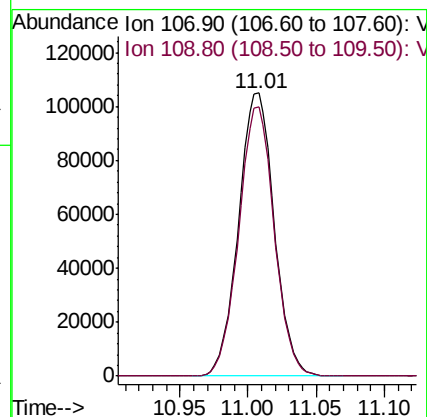
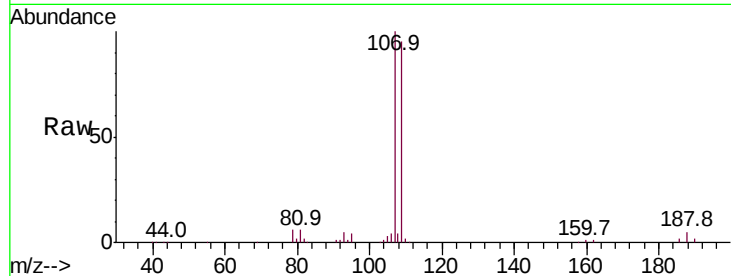
109 94.6 75.6 113.4

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 49.710 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

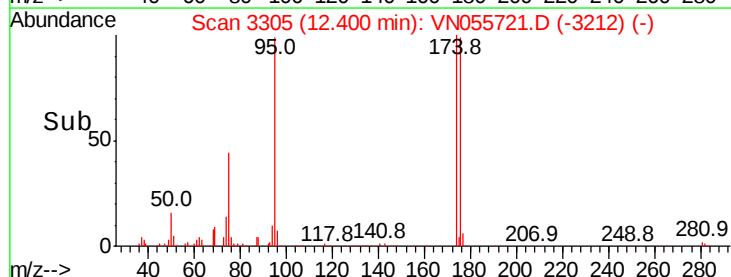
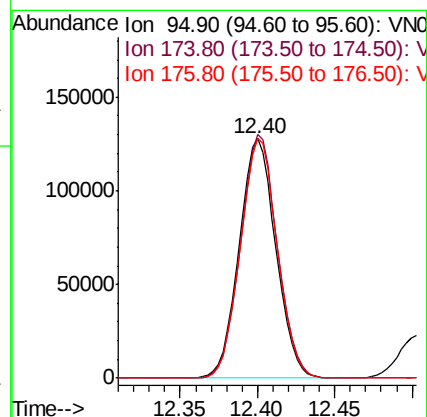
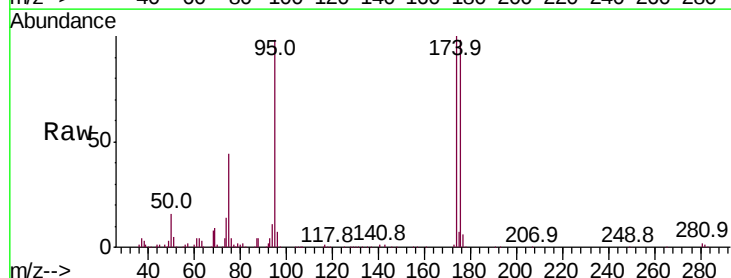
Tgt Ion: 95 Resp: 210024

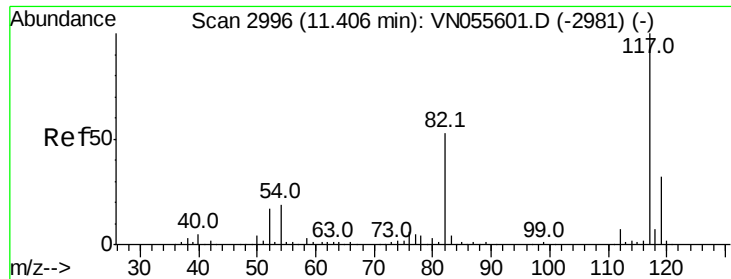
Ion Ratio Lower Upper

95 100

174 102.0 0.0 180.6

176 100.5 0.0 177.4





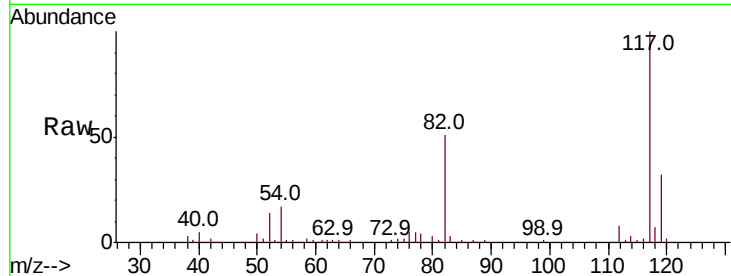
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	42.3	63.5
119	31.7	25.4	38.2

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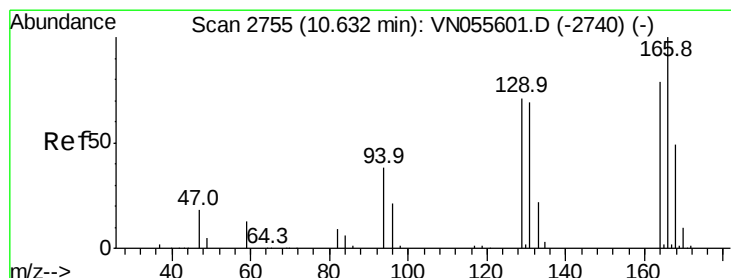
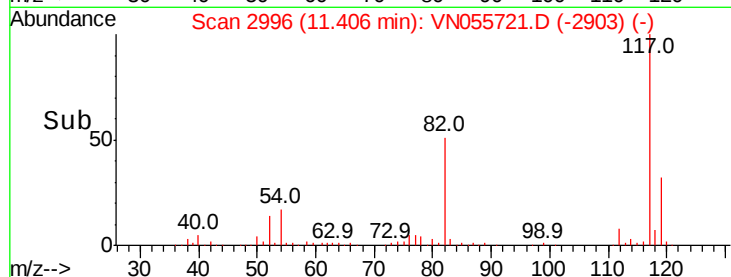
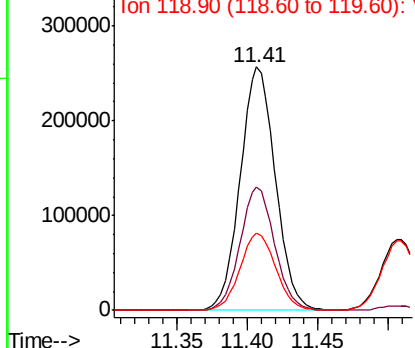


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 57.139 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.0	151.6
129	85.2	71.7	107.5
131	83.2	69.6	104.4

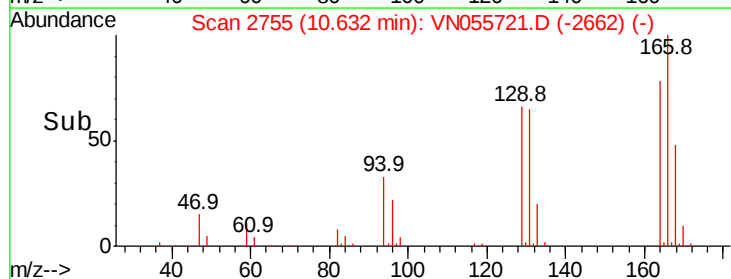
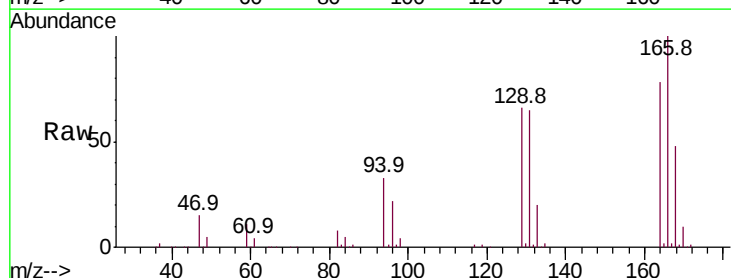
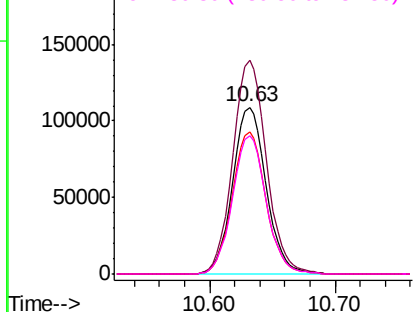
Abundance

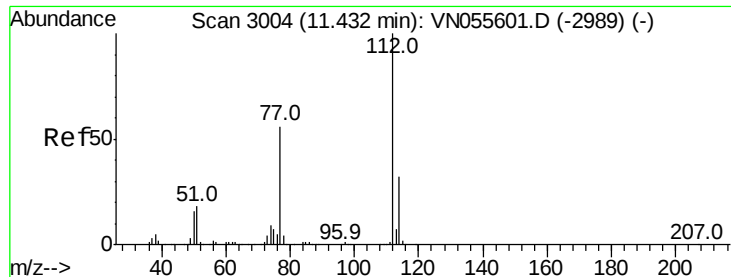
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





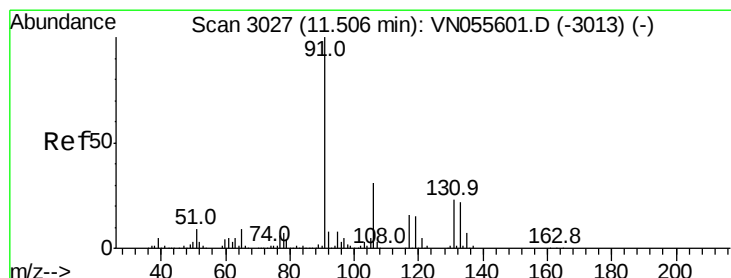
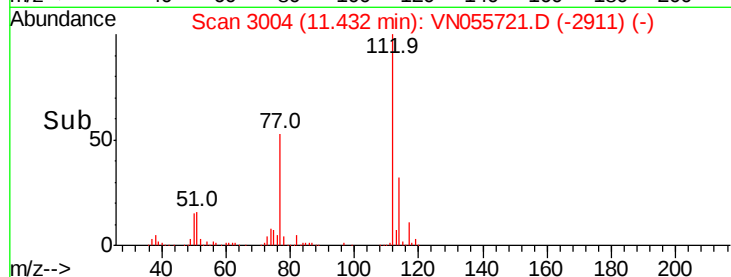
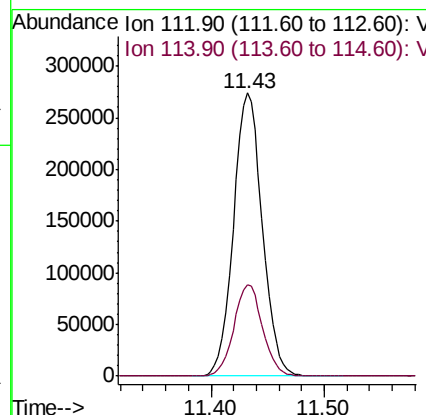
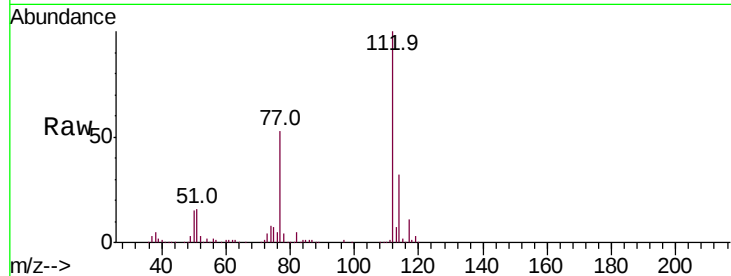
#65
Chlorobenzene
Concen: 53.258 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 483523
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4

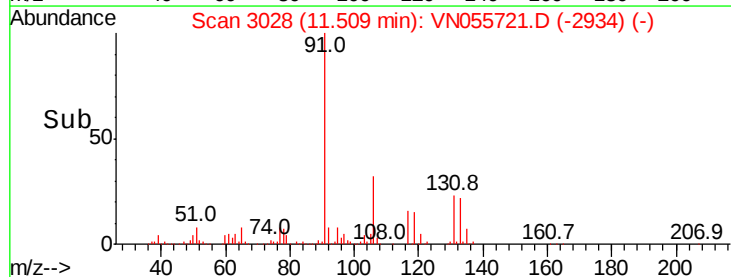
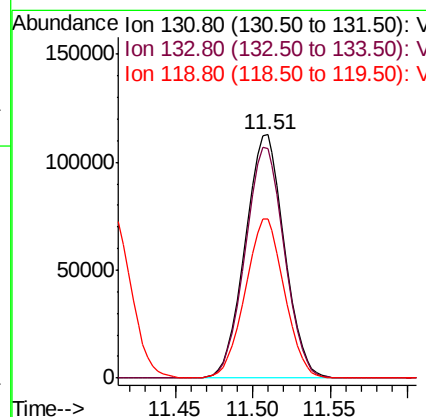
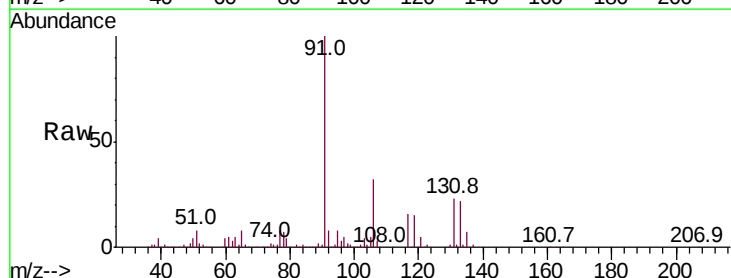
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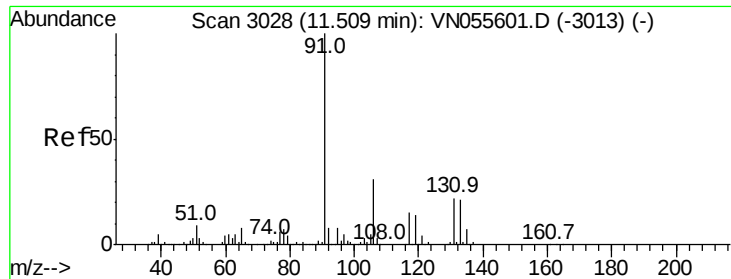
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.475 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Tgt Ion:131 Resp: 198962
Ion Ratio Lower Upper
131 100
133 95.0 47.8 143.4
119 65.4 33.3 99.8





#67

Ethyl Benzene

Concen: 50.872 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 822762

Ion Ratio Lower Upper

91 100

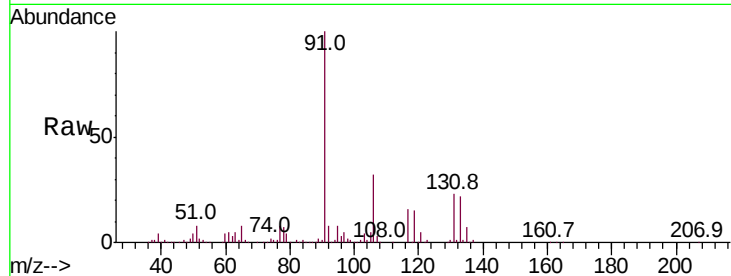
106 32.3 25.2 37.8

Manual Integrations

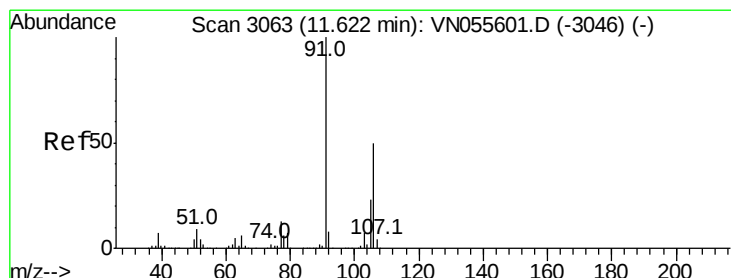
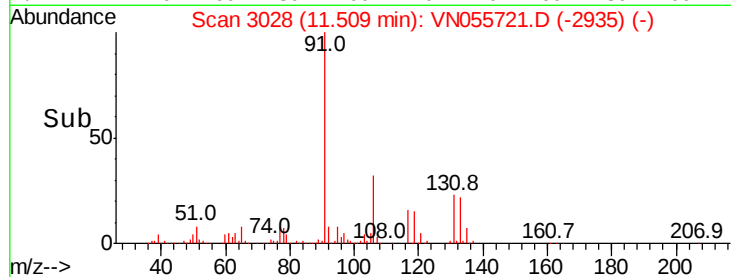
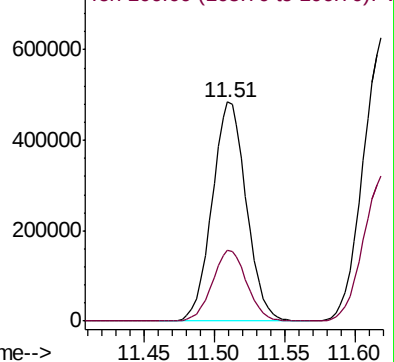
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5/22/2019 4:10:57 PM



Abundance Ion 91.00 (90.70 to 91.70): VN055601.D (-3013) (-)



#68

m/p-Xylenes

Concen: 104.615 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN055721.D

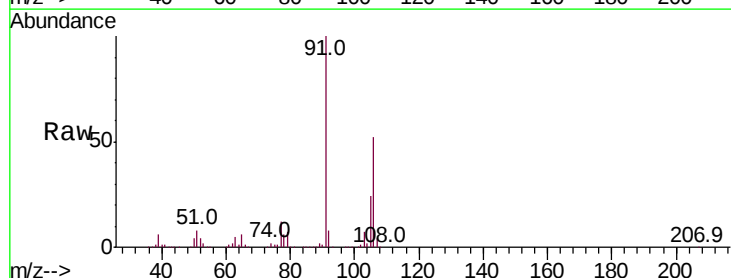
Acq: 21 May 2019 19:55

Tgt Ion:106 Resp: 638949

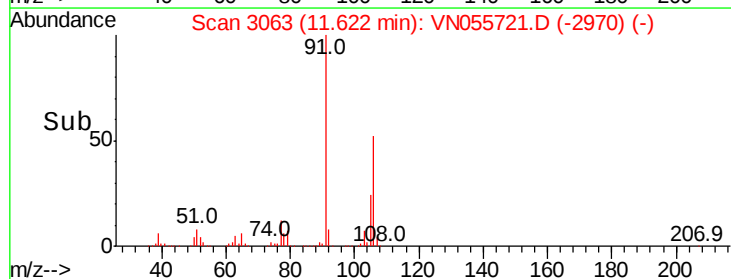
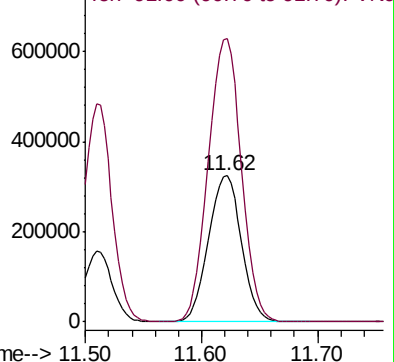
Ion Ratio Lower Upper

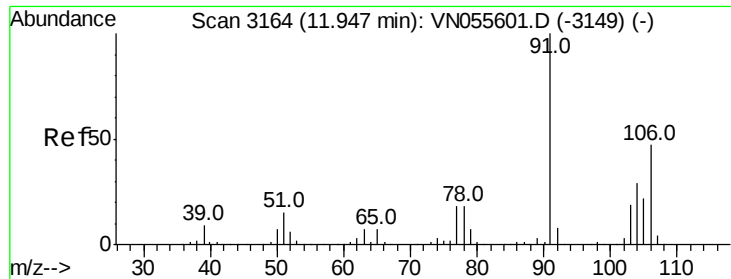
106 100

91 194.1 160.5 240.7



Abundance Ion 106.00 (105.70 to 106.70): VN055601.D (-3046) (-)





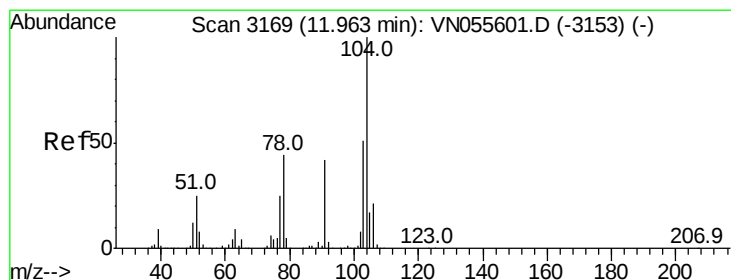
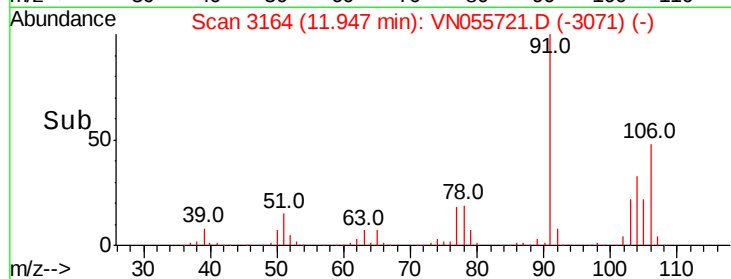
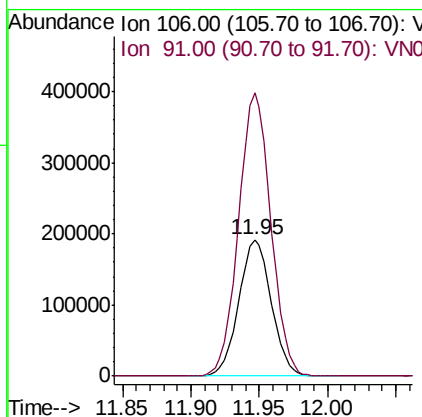
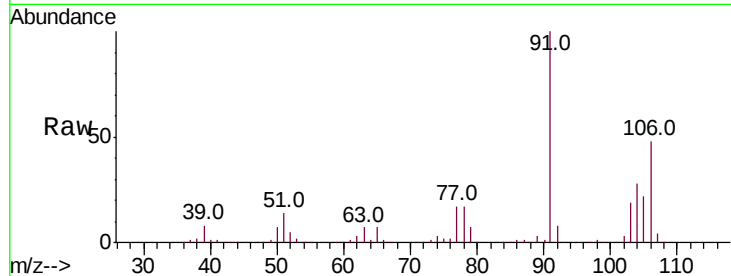
#69
o-Xylene
Concen: 53.109 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 317259
Ion Ratio Lower Upper
106 100
91 205.8 106.7 320.2

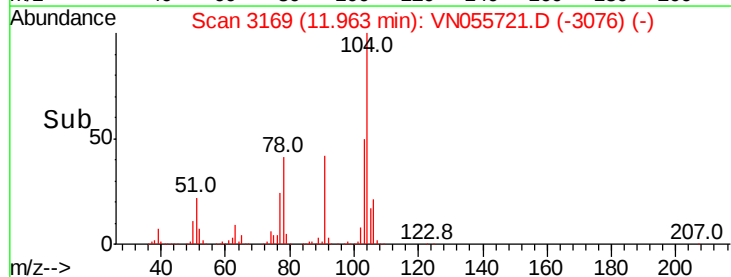
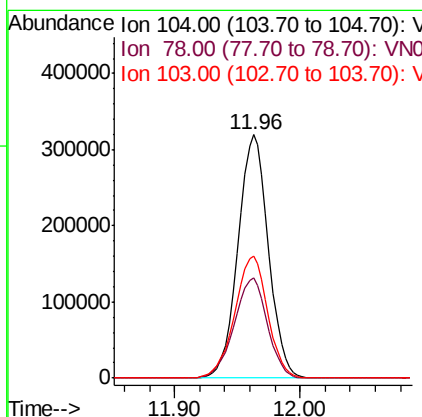
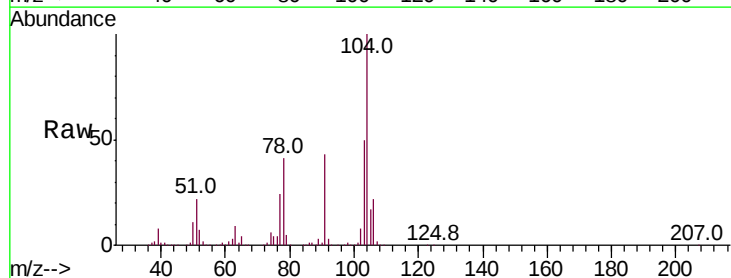
Manual Integrations
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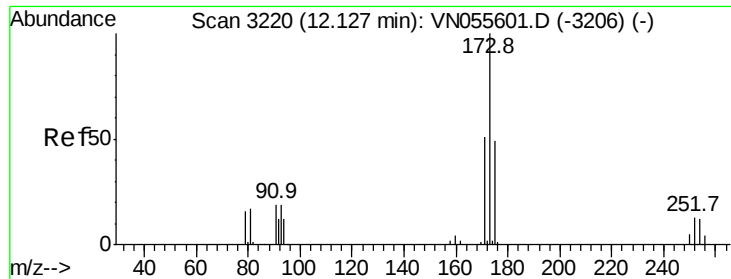
MMDadoda
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#70
Styrene
Concen: 53.977 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Tgt Ion:104 Resp: 536130
Ion Ratio Lower Upper
104 100
78 45.1 38.6 58.0
103 54.5 44.4 66.6





#71

Bromoform

Concen: 58.885 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Instrument :

MSVOA_N

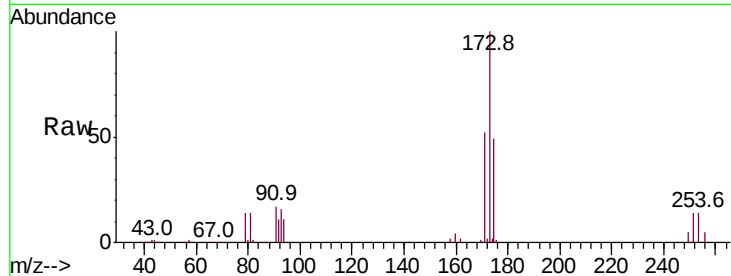
ClientSampleId :

VSTDCCC050EC

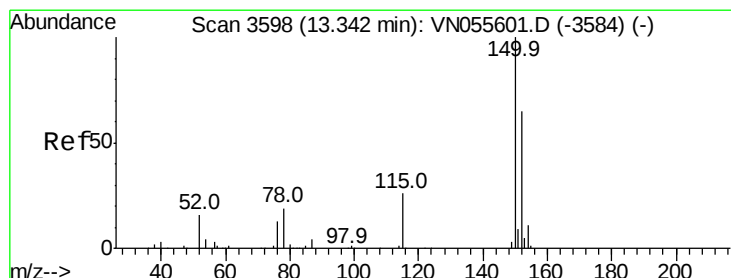
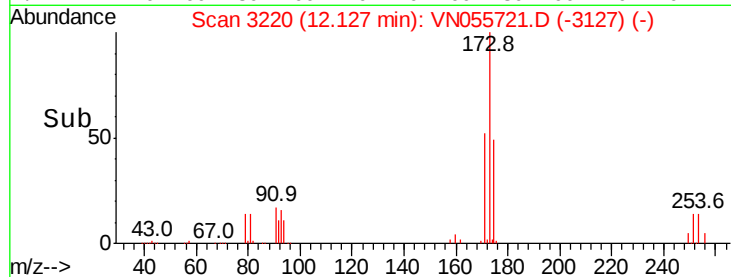
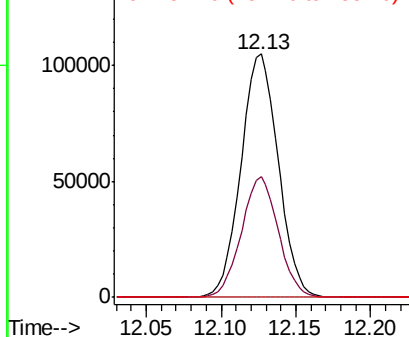
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.9
254	0.0	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

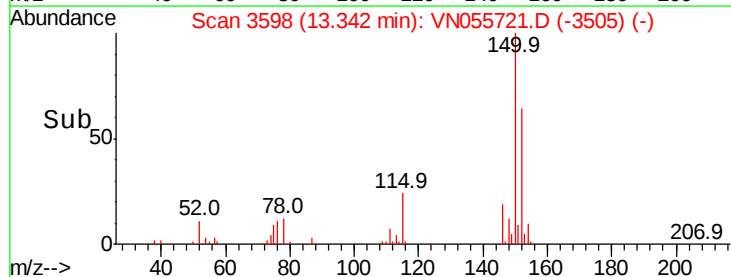
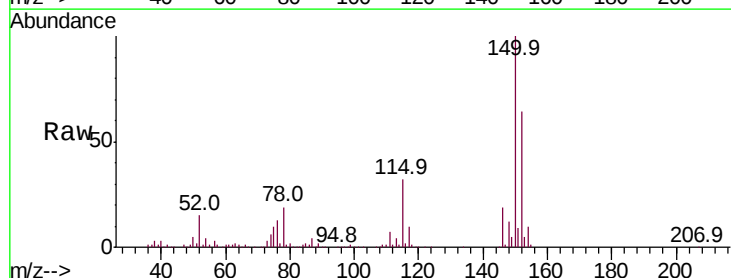
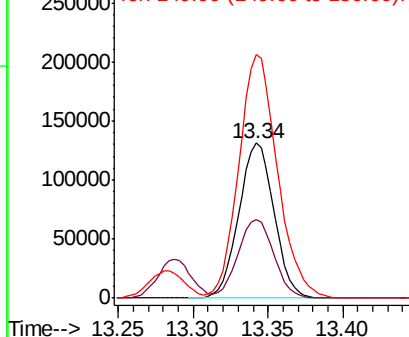
Delta R.T. -0.00 min

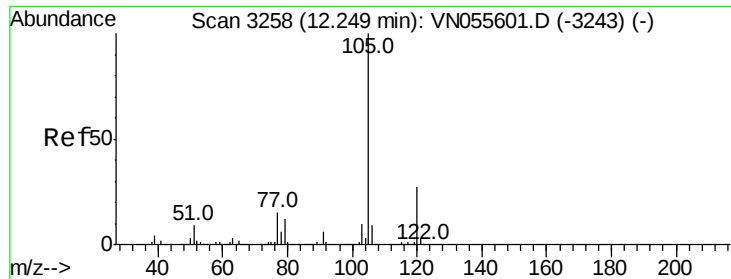
Lab File: VN055721.D

Acq: 21 May 2019 19:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.5	28.1	84.2
150	172.1	0.0	348.0

Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.461 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 832490

Ion Ratio Lower Upper

105 100

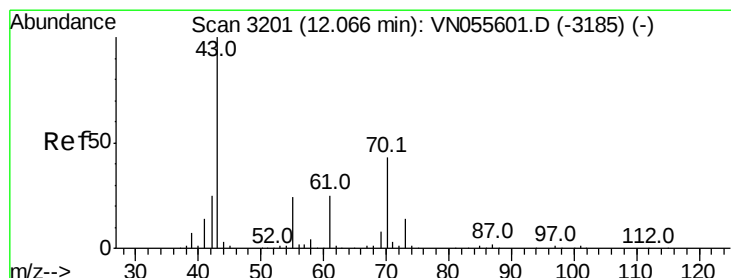
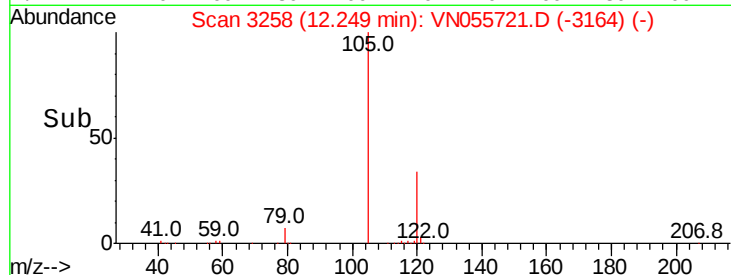
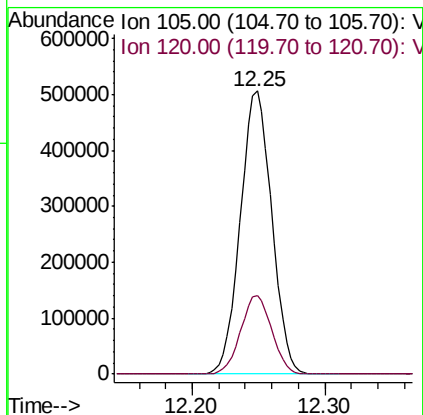
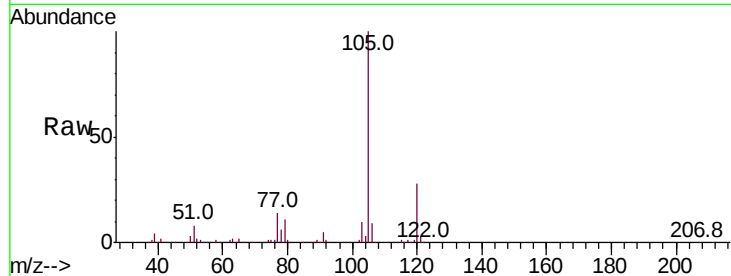
120 27.5 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 47.348 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Tgt Ion: 43 Resp: 285739

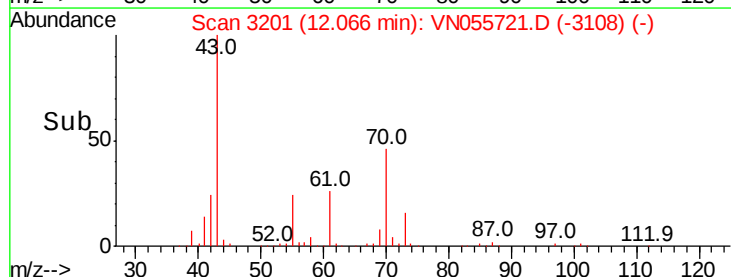
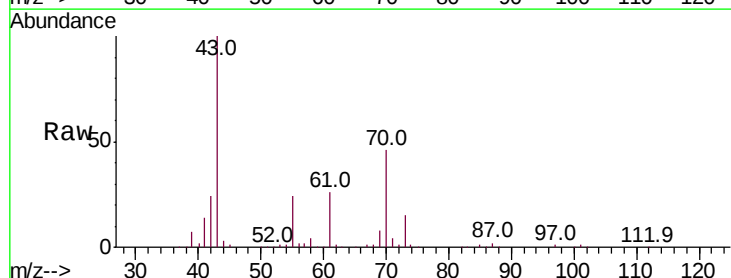
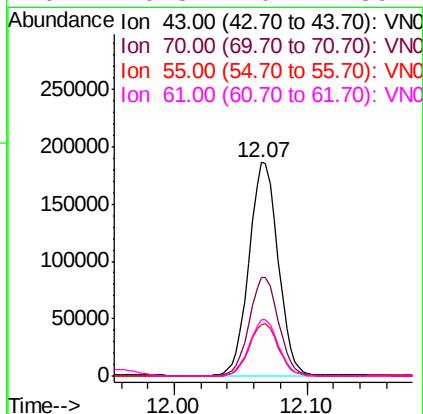
Ion Ratio Lower Upper

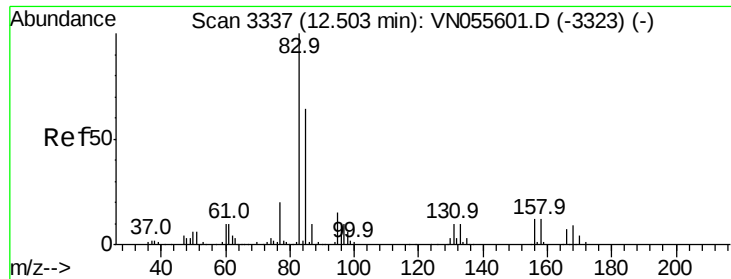
43 100

70 46.4 35.0 52.6

55 24.4 18.9 28.3

61 26.3 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 53.275 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Instrument :

MSVOA_N

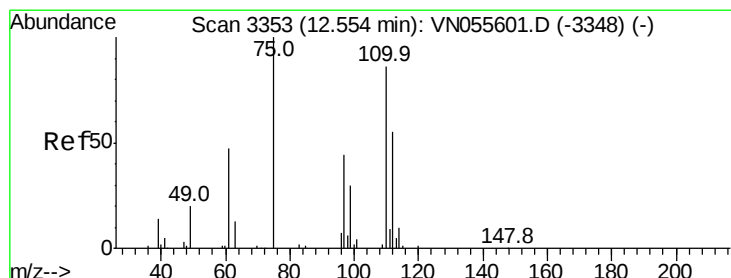
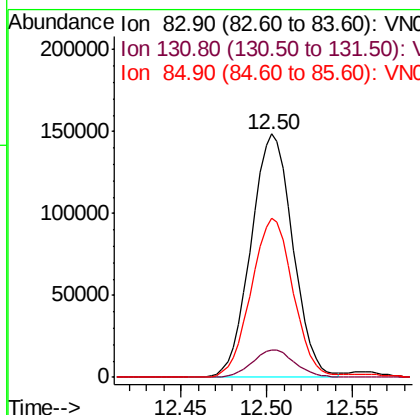
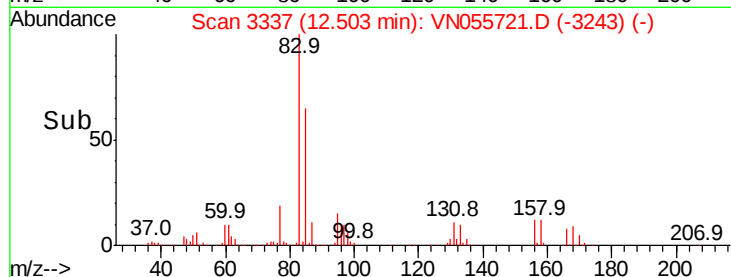
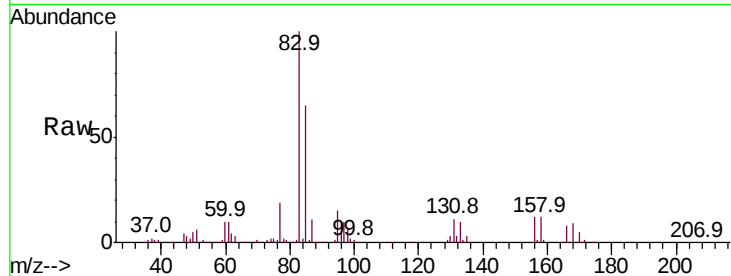
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	250908
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.3	16.1
85	65.3	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.026 ug/l m

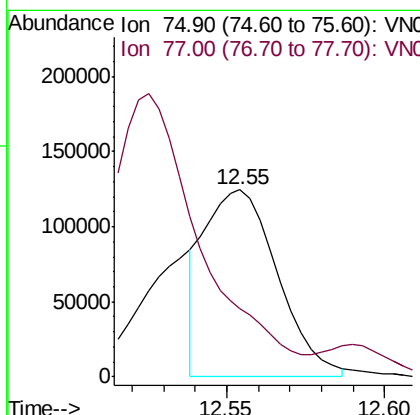
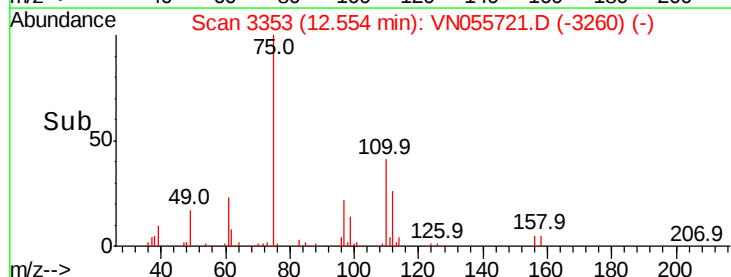
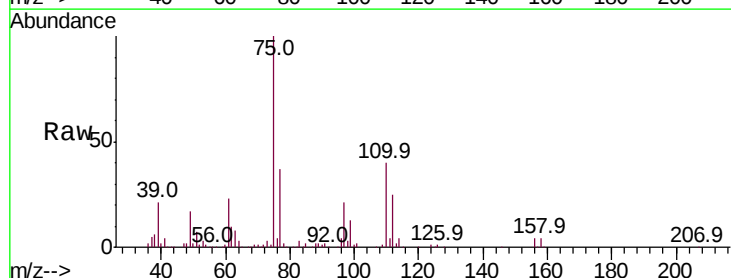
RT: 12.55 min Scan# 3353

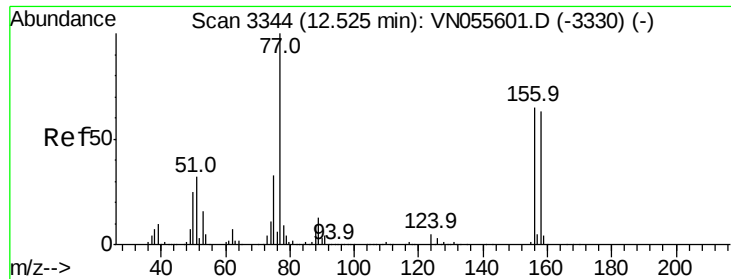
Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Tgt Ion:	75	Resp:	201848
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.402 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Instrument :

MSVOA_N

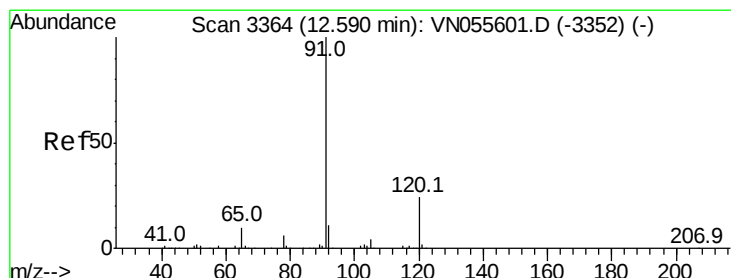
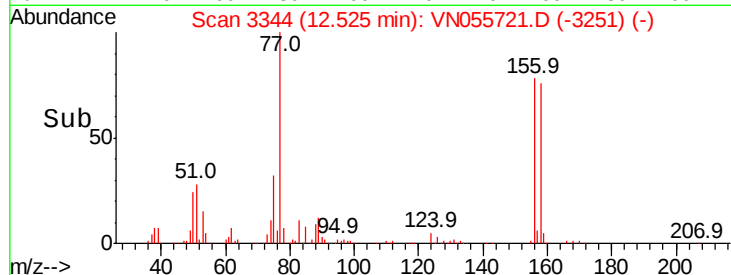
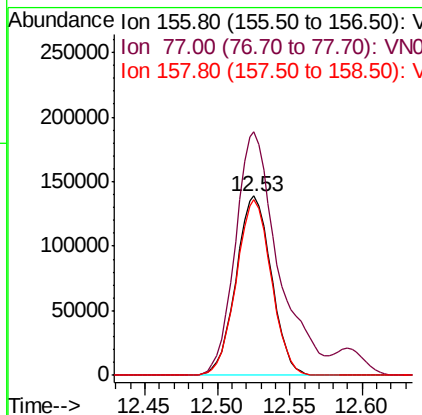
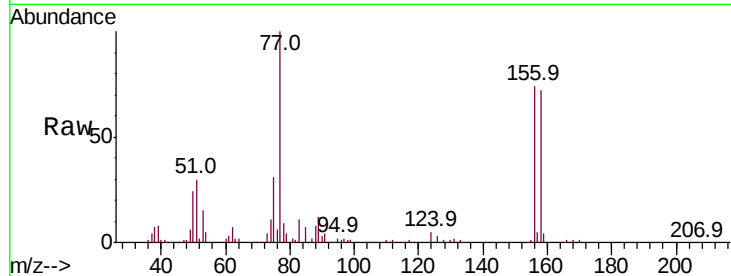
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	235710
Ion Ratio	Lower	Upper	
156	100		
77	164.9	94.5	283.5
158	97.2	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 46.190 ug/l

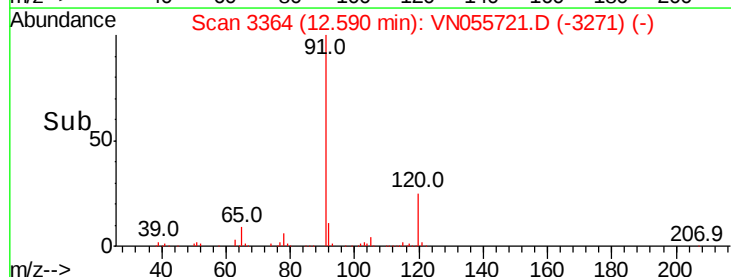
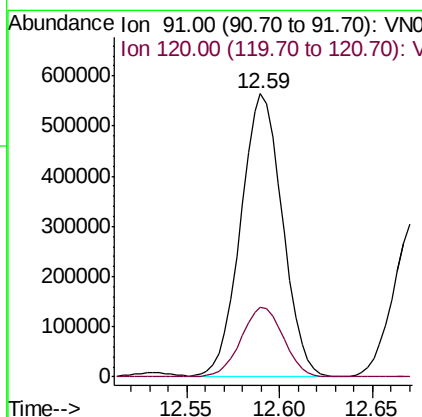
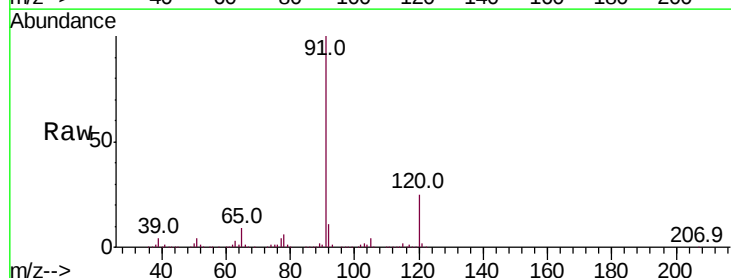
RT: 12.59 min Scan# 3364

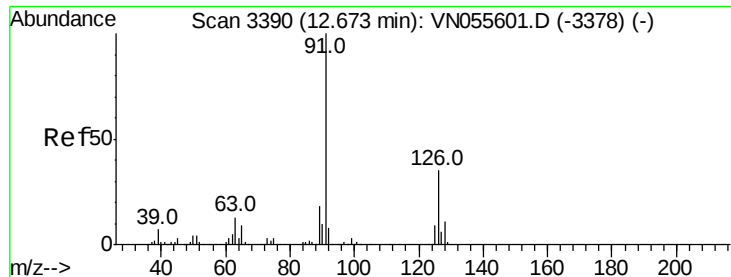
Delta R.T. -0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Tgt Ion:	91	Resp:	881575
Ion Ratio	Lower	Upper	
91	100		
120	25.0	11.9	35.5





#79

2-Chlorotoluene

Concen: 52.673 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 537097

Ion Ratio Lower Upper

91 100

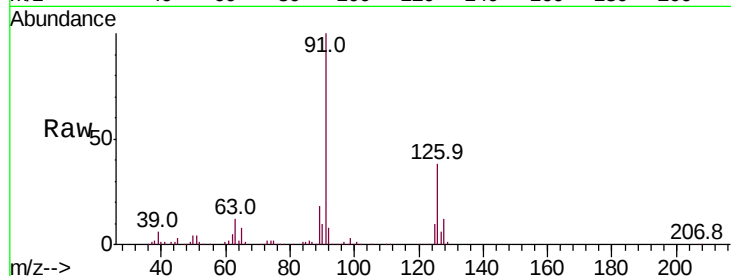
126 37.8 17.8 53.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055601.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055601.D (-3378) (-)

600000

500000

400000

300000

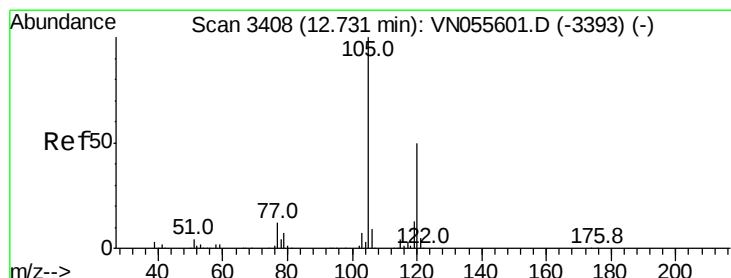
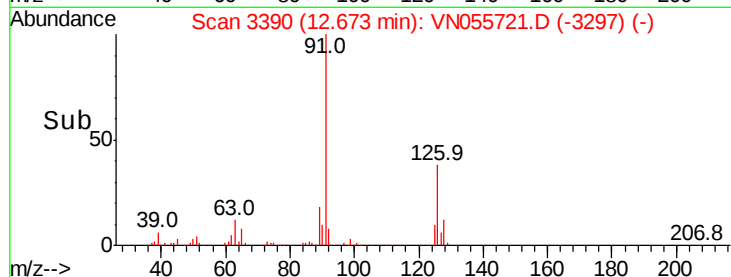
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.725 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055721.D

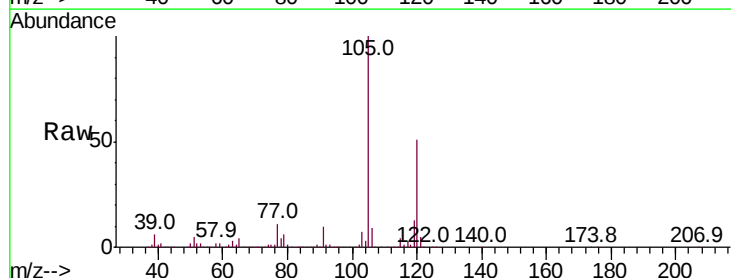
Acq: 21 May 2019 19:55

Tgt Ion: 105 Resp: 702600

Ion Ratio Lower Upper

105 100

120 50.8 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN055601.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055601.D (-3393) (-)

500000

400000

300000

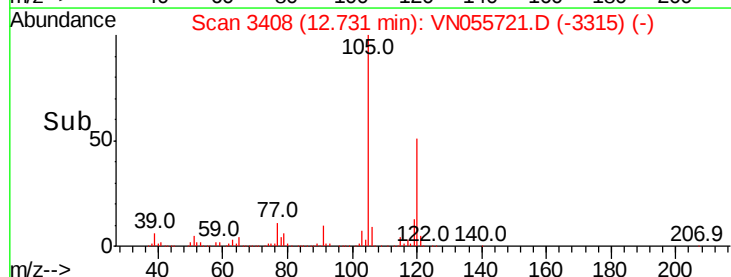
200000

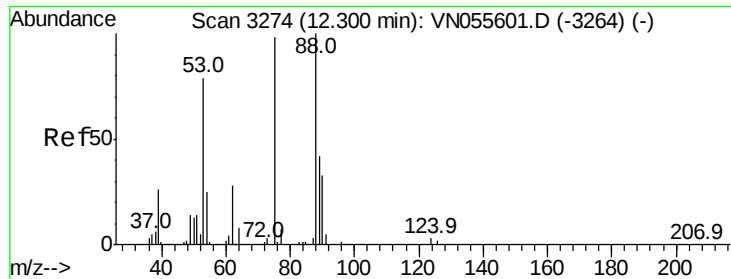
100000

0

12.70 12.80

Time-->





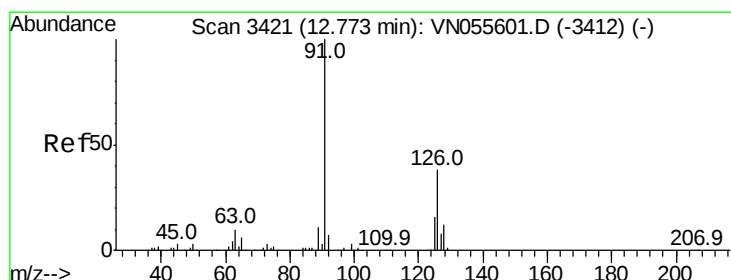
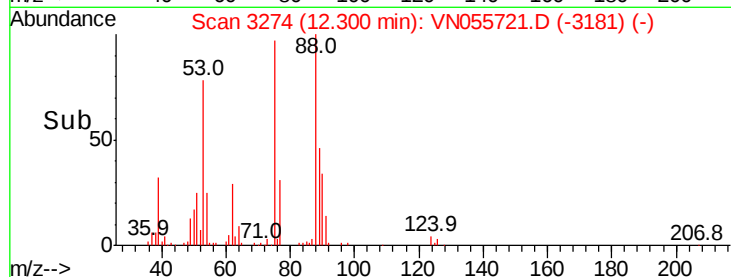
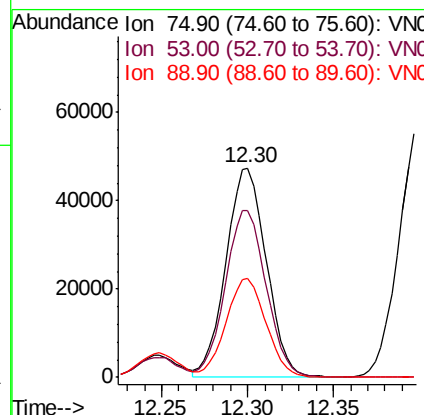
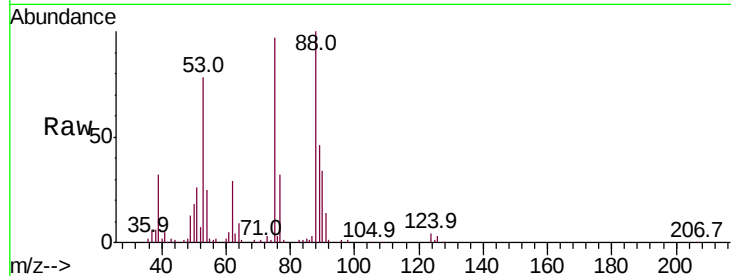
#81
trans-1,4-Dichloro-2-butene
Concen: 45.472 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.0	65.1	97.7
89	46.7	36.4	54.6

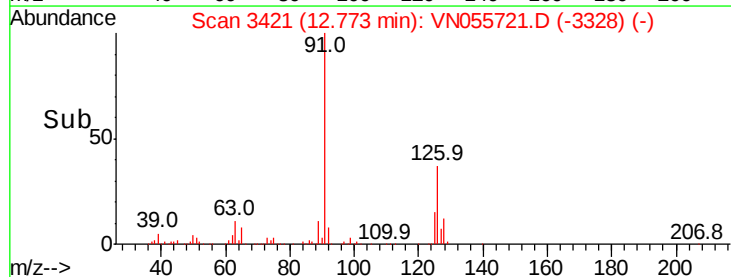
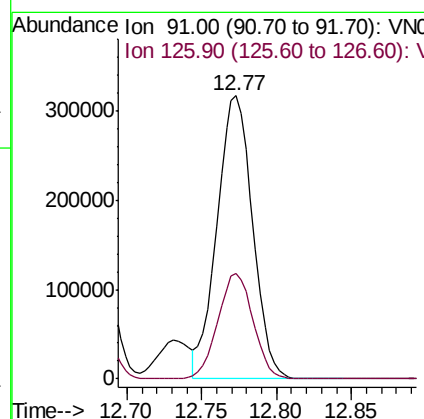
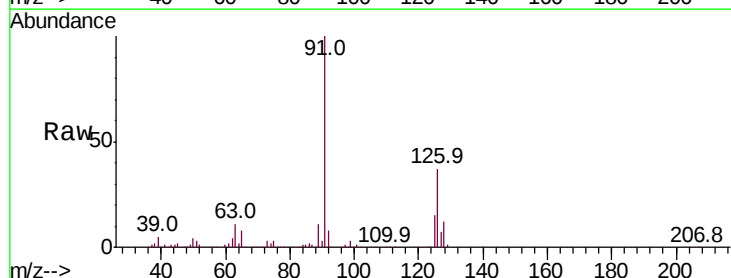
Manual Integrations
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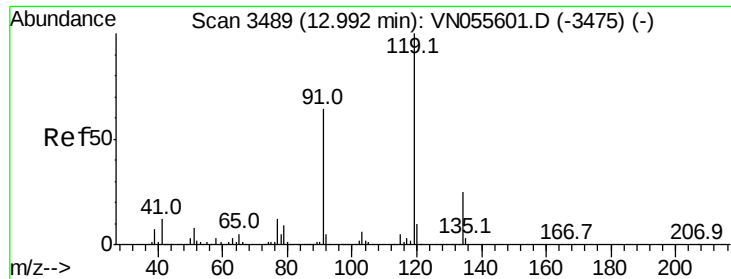
MMDadoda
5/22/2019 4:10:57 PM



#82
4-Chlorotoluene
Concen: 46.511 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.0	17.5	52.6





#83

tert-Butylbenzene

Concen: 57.836 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Instrument :

MSVOA_N

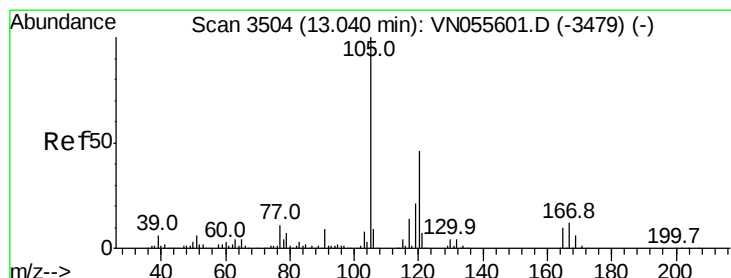
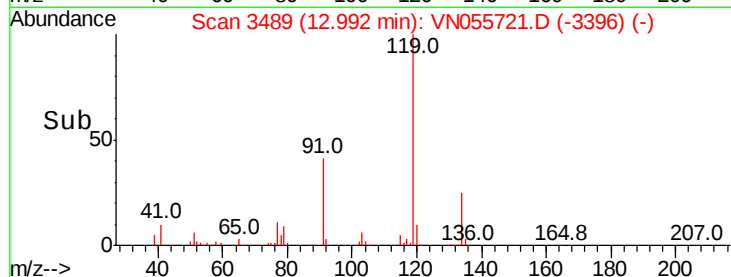
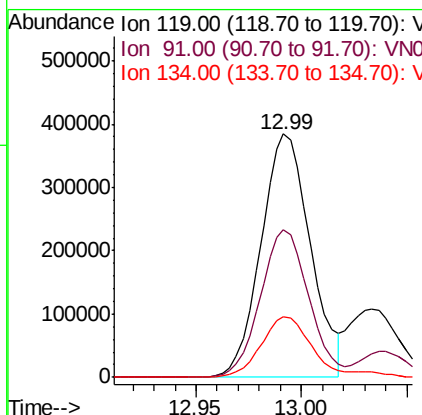
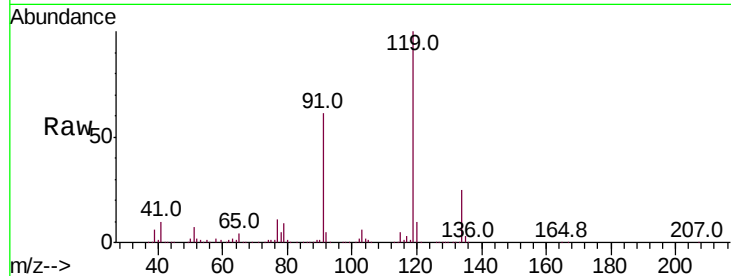
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	627876
Ion Ratio	Lower	Upper	
119	100		
91	59.2	31.3	93.8
134	25.0	13.2	39.6

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#84

1,2,4-Trimethylbenzene

Concen: 55.080 ug/l

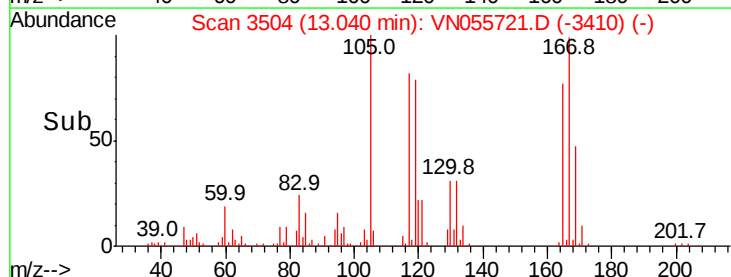
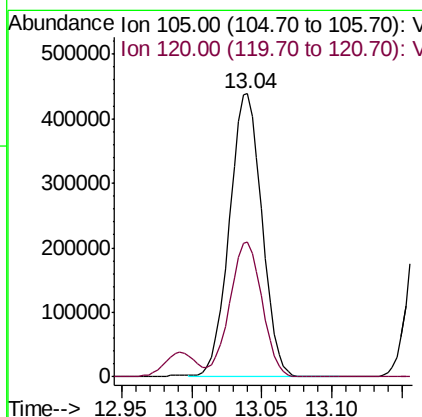
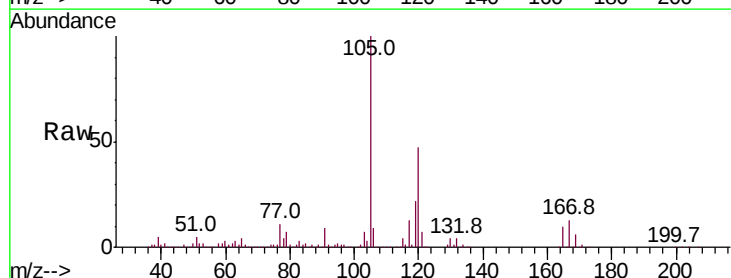
RT: 13.04 min Scan# 3504

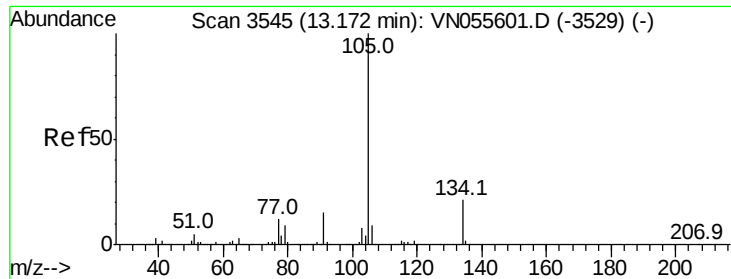
Delta R.T. 0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Tgt Ion:	105	Resp:	706299
Ion Ratio	Lower	Upper	
105	100		
120	47.3	23.1	69.2





#85

sec-Butylbenzene

Concen: 54.747 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 783714

Ion Ratio Lower Upper

105 100

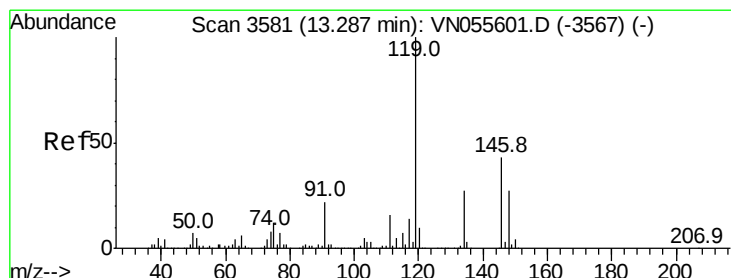
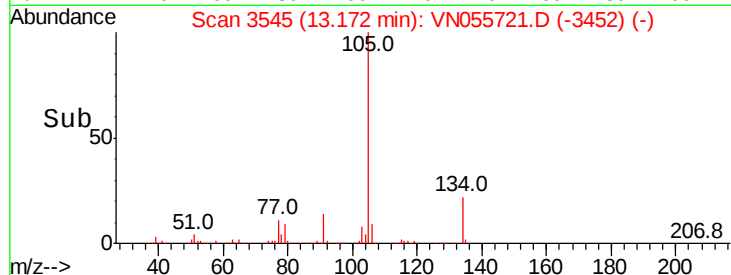
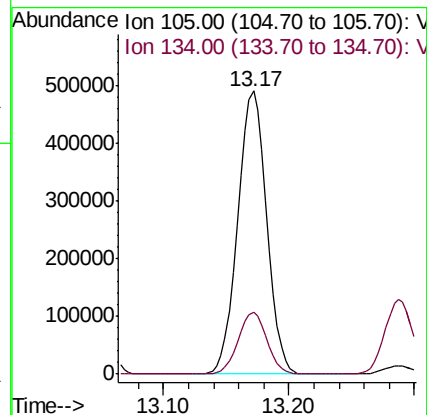
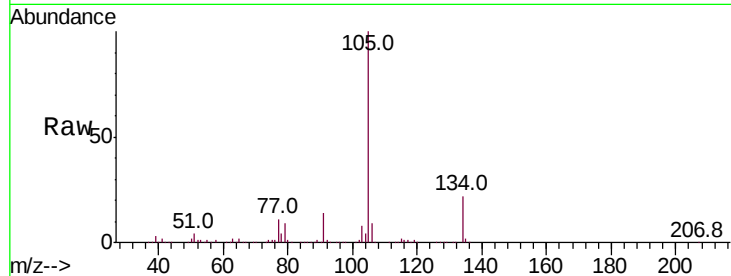
134 21.7 10.3 30.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 55.084 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055721.D

Acq: 21 May 2019 19:55

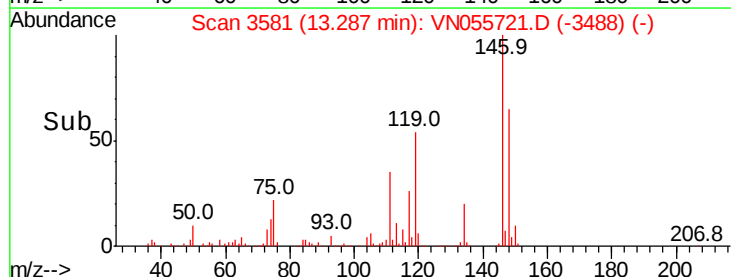
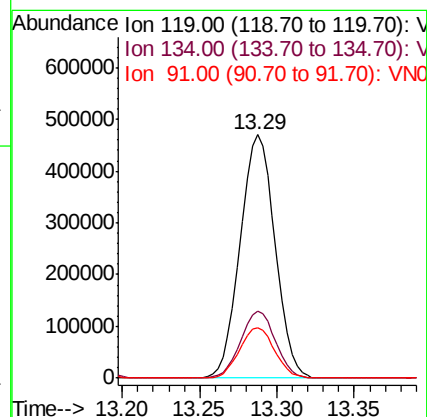
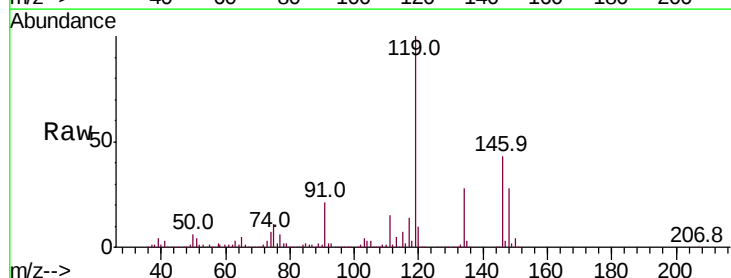
Tgt Ion:119 Resp: 734523

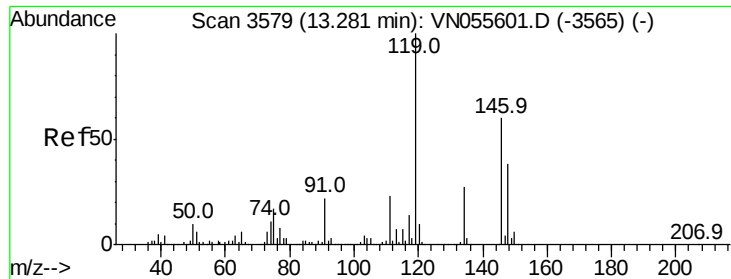
Ion Ratio Lower Upper

119 100

134 27.5 13.4 40.2

91 20.7 11.0 33.0





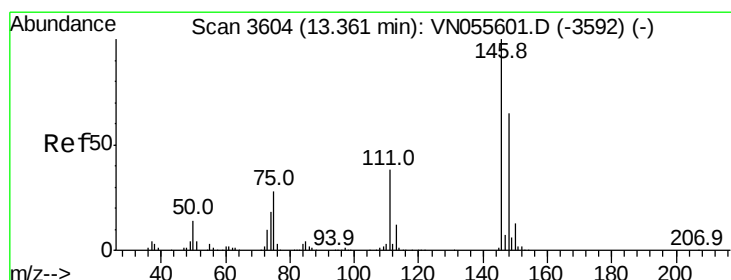
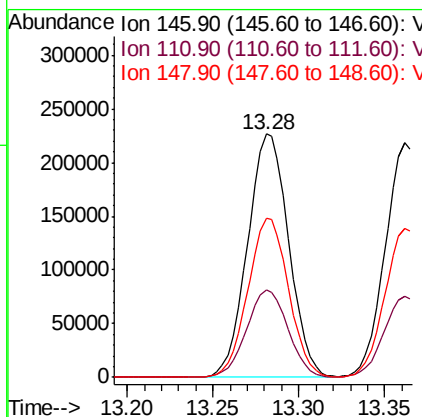
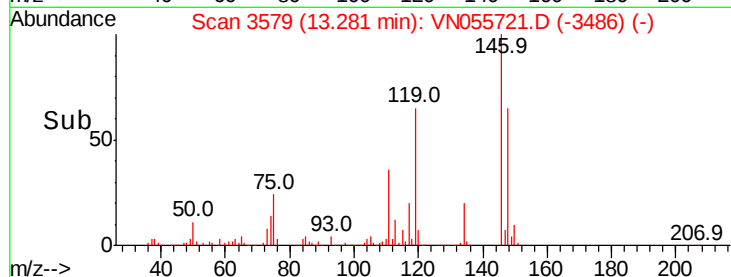
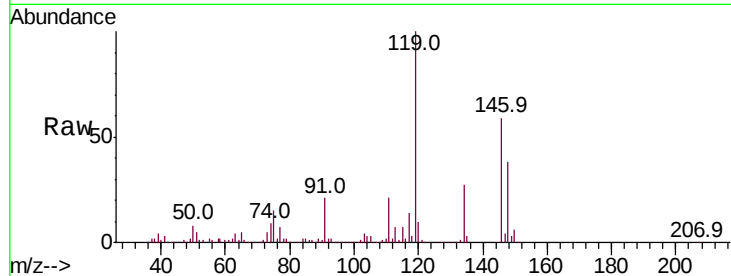
#87
 1,3-Dichlorobenzene
 Concen: 51.501 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055721.D
 Acq: 21 May 2019 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.9	56.9
148	64.5	31.9	95.9

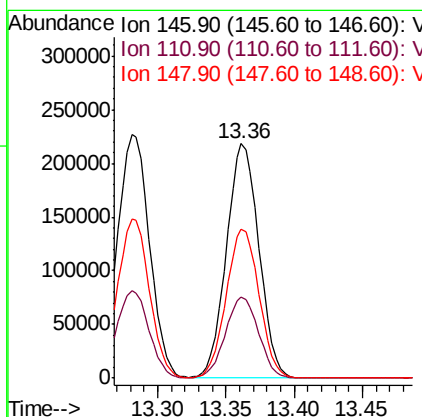
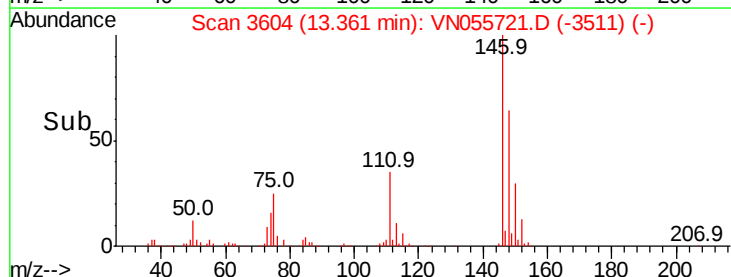
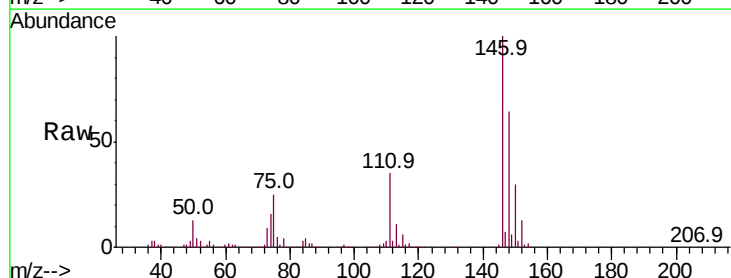
Manual Integrations
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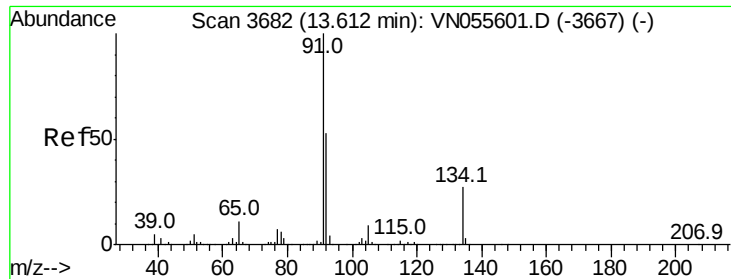
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#88
 1,4-Dichlorobenzene
 Concen: 51.857 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055721.D
 Acq: 21 May 2019 19:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.1	18.8	56.4
148	64.5	32.4	97.0





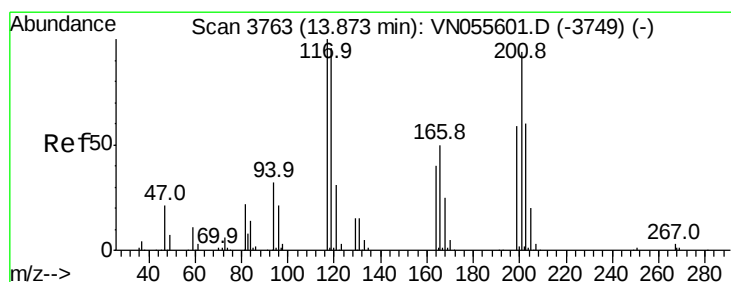
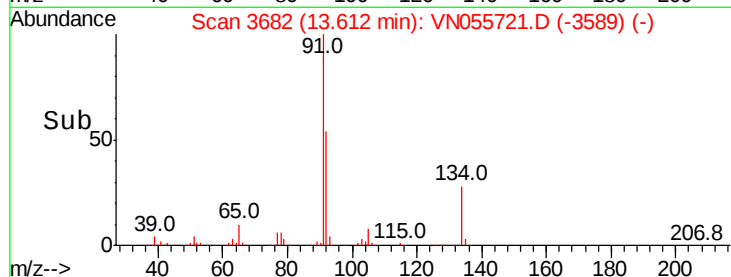
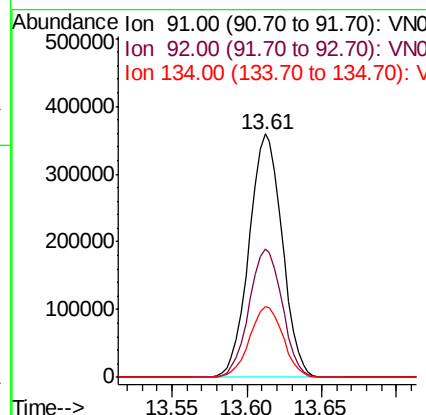
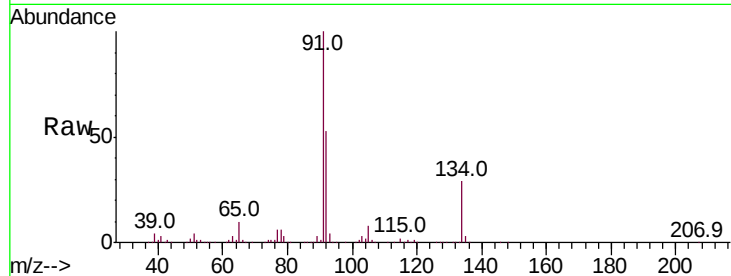
#89
n-Butylbenzene
Concen: 46.830 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	552291		
92	53.0		26.4	79.0
134	29.5		13.7	41.1

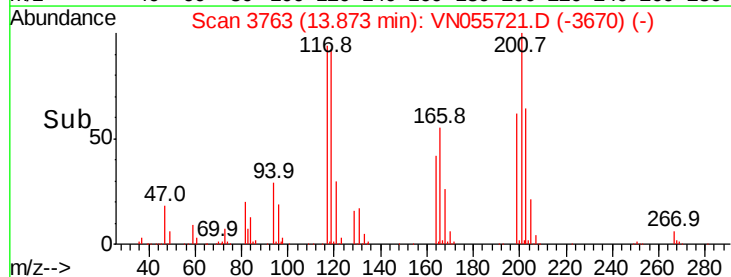
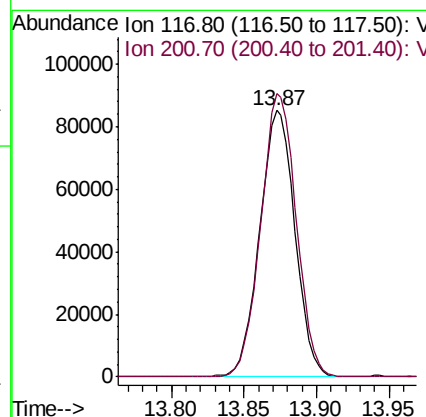
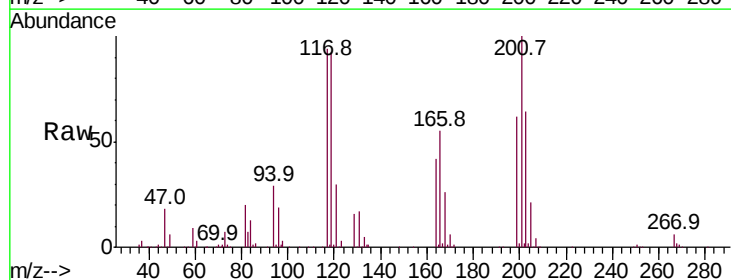
Manual Integrations
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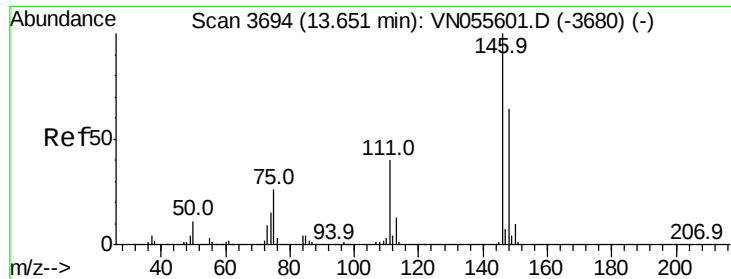
MMDadoda
5/22/2019 4:10:57 PM



#90
Hexachloroethane
Concen: 56.650 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	144060		
201	106.9		47.1	141.3





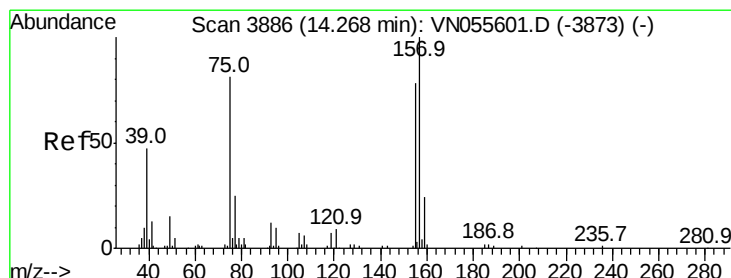
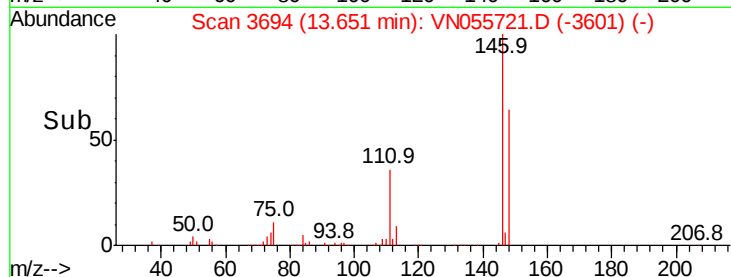
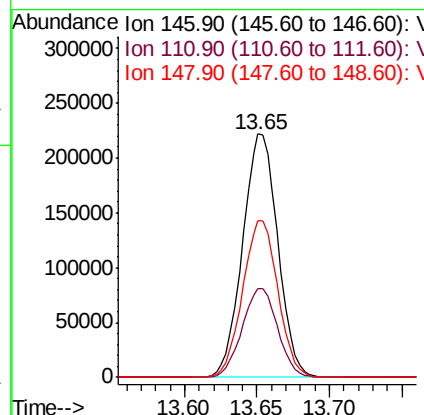
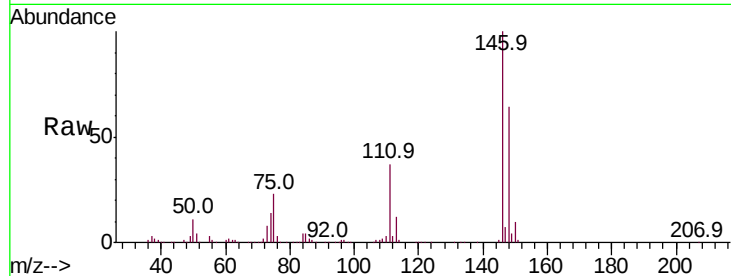
#91
 1,2-Dichlorobenzene
 Concen: 51.360 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055721.D
 Acq: 21 May 2019 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	19.7	59.0
148	64.7	32.1	96.3

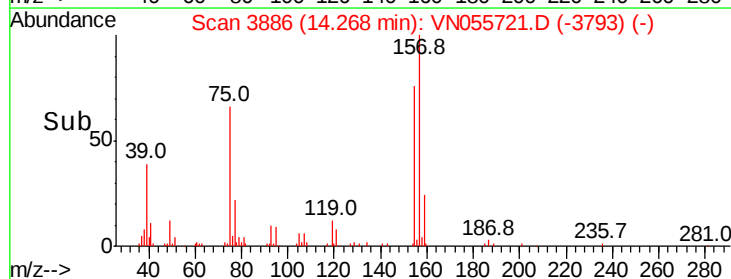
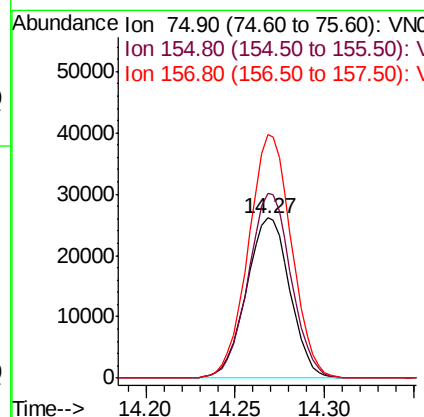
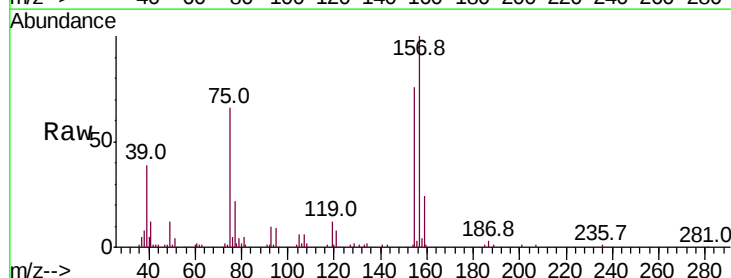
Manual Integrations
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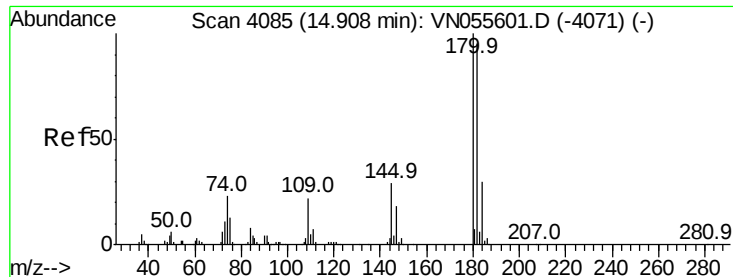
MMDadoda
 5/22/2019 4:10:57 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.568 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055721.D
 Acq: 21 May 2019 19:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	113.9	48.4	145.0
157	150.3	62.3	186.8





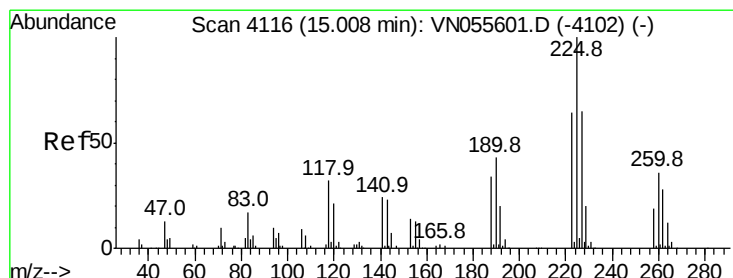
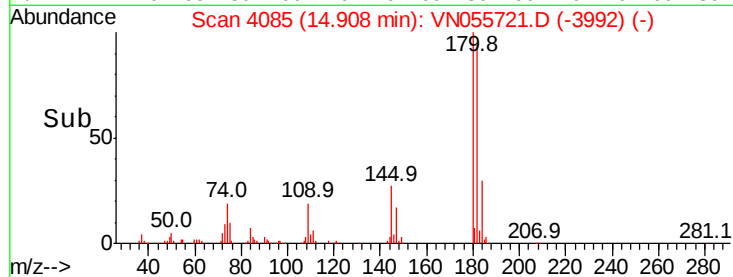
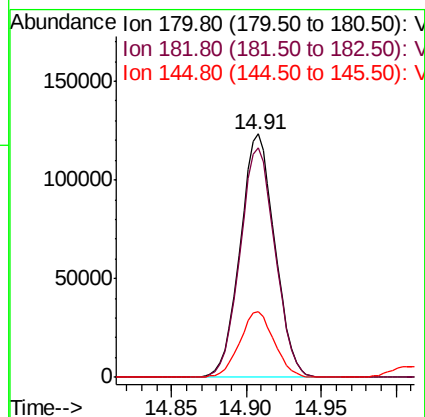
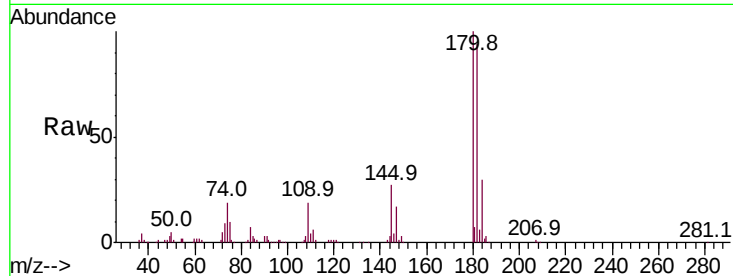
#93
1,2,4-Trichlorobenzene
Concen: 53.642 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. -0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	180	Resp:	198641
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.9	143.6
145	26.9	14.3	42.9

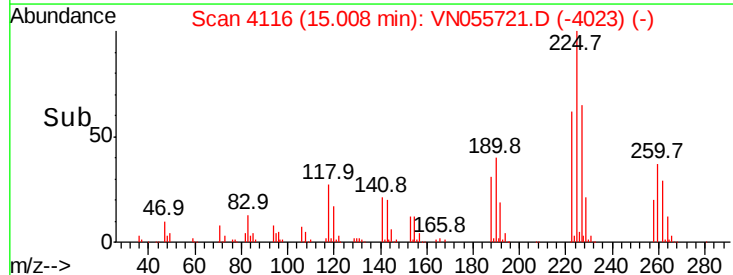
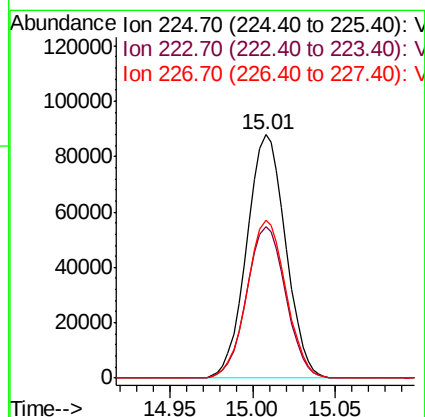
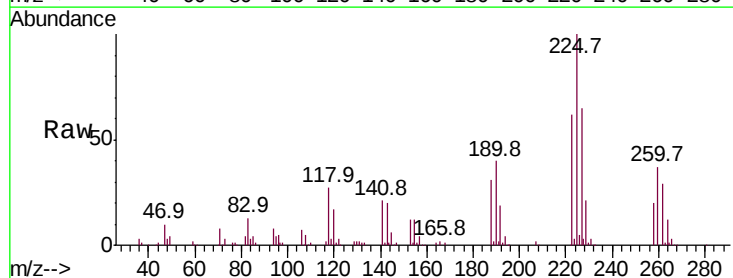
Manual Integrations
APPROVED

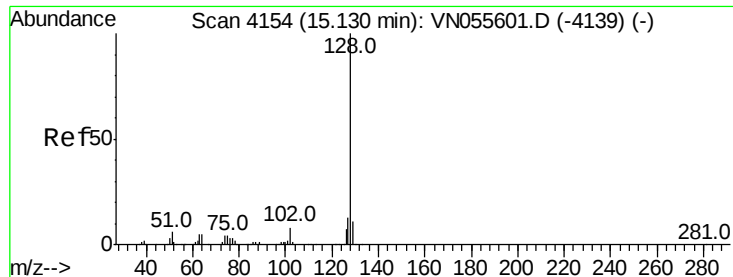
MMDadoda
5/22/2019 4:10:57 PM



#94
Hexachlorobutadiene
Concen: 65.037 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Tgt Ion:	225	Resp:	143401
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.6	94.7
227	65.0	32.4	97.0





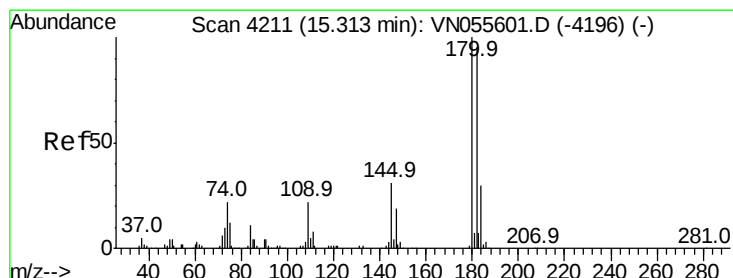
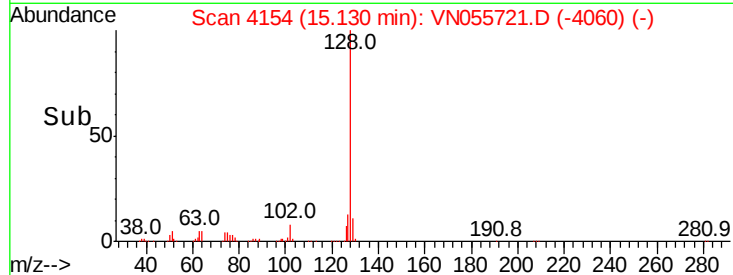
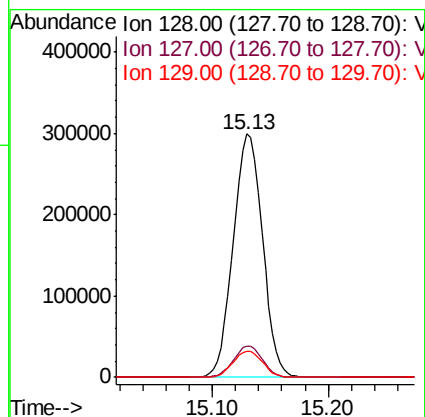
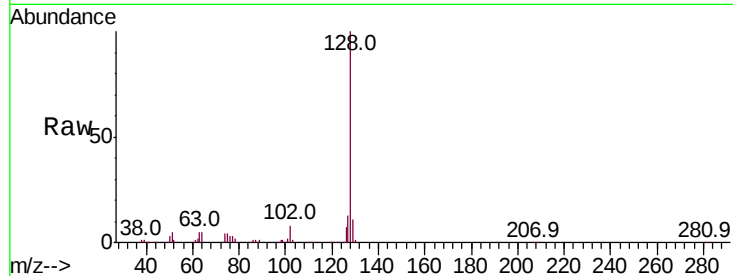
#95
Naphthalene
Concen: 46.856 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128	Resp:	522379
Ion Ratio	Lower	Upper
128 100		
127 12.7	10.2	15.4
129 10.9	8.6	12.8

Manual Integrations
APPROVED

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5/22/2019 4:10:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.287 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN055721.D
Acq: 21 May 2019 19:55

Tgt Ion:180	Resp:	202454
Ion Ratio	Lower	Upper
180 100		
182 96.4	47.9	143.6
145 29.0	15.4	46.1

