

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051019\
 Data File : VN055537.D
 Acq On : 10 May 2019 8:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 1:16:19 PM

Quant Time: May 11 01:12:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	762821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1263874	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1098912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	465785	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	529649	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	
35) Dibromofluoromethane	7.59	113	407416	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	10.09	98	1627948	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
62) 4-Bromofluorobenzene	12.40	95	552582	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	345692	44.511	ug/l	100
3) Chloromethane	2.06	50	531453	42.121	ug/l	99
4) Vinyl Chloride	2.19	62	530349	44.528	ug/l	100
5) Bromomethane	2.54	94	301951	46.271	ug/l	99
6) Chloroethane	2.69	64	325797	46.962	ug/l	98
7) Trichlorofluoromethane	3.01	101	615318	47.093	ug/l	100
8) Diethyl Ether	3.41	74	268236	45.711	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	400725	48.204	ug/l	99
10) Methyl Iodide	3.95	142	515074	45.842	ug/l	100
11) Tert butyl alcohol	4.81	59	327306	193.004	ug/l	100
12) 1,1-Dichloroethene	3.73	96	385163	46.198	ug/l	96
13) Acrolein	3.61	56	242332	214.410	ug/l	98
14) Allyl chloride	4.32	41	776410	45.462	ug/l	99
15) Acrylonitrile	4.99	53	1111697	211.705	ug/l	100
16) Acetone	3.82	43	1352479	254.314	ug/l	98
17) Carbon Disulfide	4.05	76	1061589	46.654	ug/l	99
18) Methyl Acetate	4.33	43	455829	40.637	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1268031	45.772	ug/l	97
20) Methylene Chloride	4.54	84	474720	43.654	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	426879	47.225	ug/l	95
22) Diisopropyl ether	5.96	45	1615432	46.547	ug/l	99
23) Vinyl Acetate	5.90	43	6280852	234.014	ug/l	100
24) 1,1-Dichloroethane	5.85	63	865103	46.177	ug/l	99
25) 2-Butanone	6.84	43	1677371	228.326	ug/l	97
26) 2,2-Dichloropropane	6.82	77	586638	50.231	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	491560	47.054	ug/l	100
28) Bromochloromethane	7.19	49	448267	46.074	ug/l	98
29) Tetrahydrofuran	7.22	42	995883	205.059	ug/l	100
30) Chloroform	7.37	83	801797	46.295	ug/l	98
31) Cyclohexane	7.65	56	822357	44.365	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	631222	47.860	ug/l	100
36) 1,1-Dichloropropene	7.79	75	624774	50.177	ug/l	99
37) Ethyl Acetate	6.93	43	602972	44.394	ug/l	99
38) Carbon Tetrachloride	7.77	117	515457	49.163	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	761146	50.137	ug/l	98
40) Benzene	8.04	78	1900552	49.181	ug/l	99
41) Methacrylonitrile	7.17	41	300616	47.686	ug/l	97
42) 1,2-Dichloroethane	8.12	62	637868	46.983	ug/l	100
43) Isopropyl Acetate	8.17	43	958442	46.448	ug/l	98
44) Trichloroethene	8.83	130	461175	50.155	ug/l	98
45) 1,2-Dichloropropane	9.12	63	537730	48.633	ug/l	98
46) Dibromomethane	9.21	93	308869	48.193	ug/l	99
47) Bromodichloromethane	9.40	83	613574	50.043	ug/l	100
48) Methyl methacrylate	9.20	41	457911	46.058	ug/l	98
49) 1,4-Dioxane	9.20	88	167574	864.793	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2967204	218.639	ug/l	99
52) Toluene	10.15	92	1111927	50.331	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	623150	52.918	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	750276	53.320	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	435829	48.690	ug/l	98
56) Ethyl methacrylate	10.43	69	644352	48.396	ug/l	98
57) 1,3-Dichloropropane	10.71	76	780182	49.095	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	829748	188.375	ug/l	100
59) 2-Hexanone	10.75	43	2162958	227.260	ug/l	99
60) Dibromochloromethane	10.90	129	422879	51.961	ug/l	100
61) 1,2-Dibromoethane	11.00	107	425105	49.429	ug/l	98
64) Tetrachloroethene	10.63	164	437932	48.635	ug/l	99
65) Chlorobenzene	11.43	112	1134841	50.195	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	403373	51.825	ug/l	100
67) Ethyl Benzene	11.51	91	2120775	49.945	ug/l	99
68) m/p-Xylenes	11.62	106	1557505	102.209	ug/l	99
69) o-Xylene	11.95	106	758303	50.629	ug/l	99
70) Styrene	11.96	104	1267449	52.820	ug/l	100
71) Bromoform	12.13	173	272192	51.824	ug/l #	100
73) Isopropylbenzene	12.25	105	2018693	52.696	ug/l	100
74) N-amyl acetate	12.07	43	776019	43.883	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	605444	48.405	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	525461m	41.439	ug/l	
77) Bromobenzene	12.53	156	466107	45.407	ug/l	96
78) n-propylbenzene	12.59	91	2325349	46.546	ug/l	100
79) 2-Chlorotoluene	12.67	91	1394763	44.798	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1732999	46.522	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	157024	45.693	ug/l	97
82) 4-Chlorotoluene	12.77	91	1374982	46.738	ug/l	98
83) tert-Butylbenzene	12.99	119	1430381	44.797	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1651750	48.347	ug/l	99
85) sec-Butylbenzene	13.17	105	1948707	45.922	ug/l	99
86) p-Isopropyltoluene	13.29	119	1671695	48.405	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	795208	50.134	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	761566	48.651	ug/l	99
89) n-Butylbenzene	13.61	91	1342043	50.133	ug/l	100
90) Hexachloroethane	13.87	117	256537	45.537	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	773822	48.813	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	91711	42.818	ug/l	98

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ClientSampleId :
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QLast Update : Fri May 10 06:48:32 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	309131	45.120	ug/l	98
94) Hexachlorobutadiene	15.01	225	253264	54.181	ug/l	99
95) Naphthalene	15.13	128	761967	39.868	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	326225	43.953	ug/l	98

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

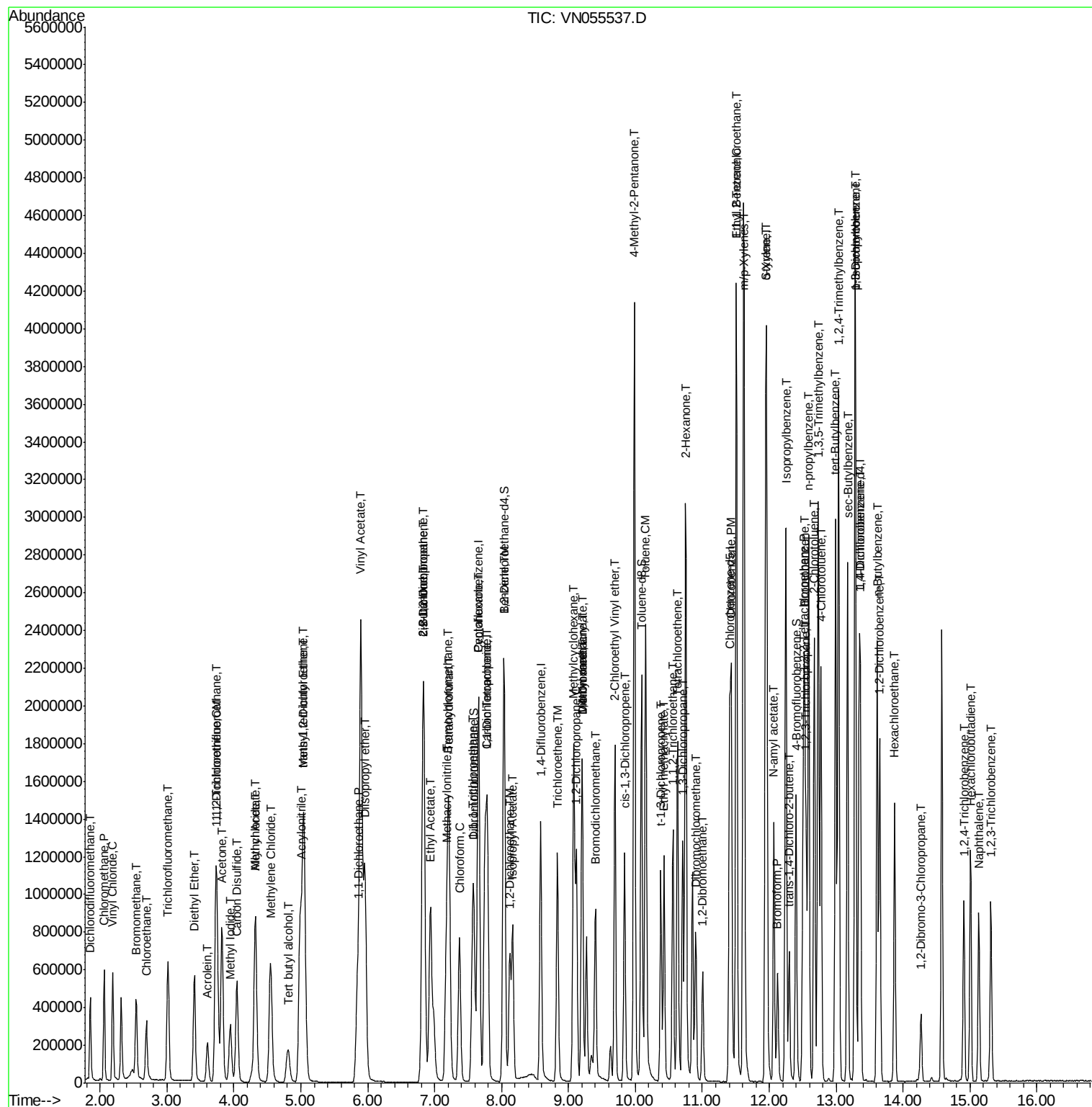
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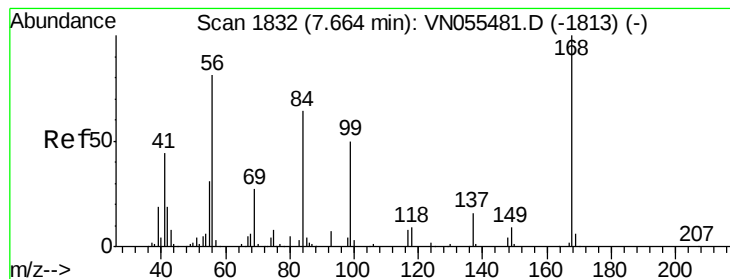
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 762821

Ion Ratio Lower Upper

168 100

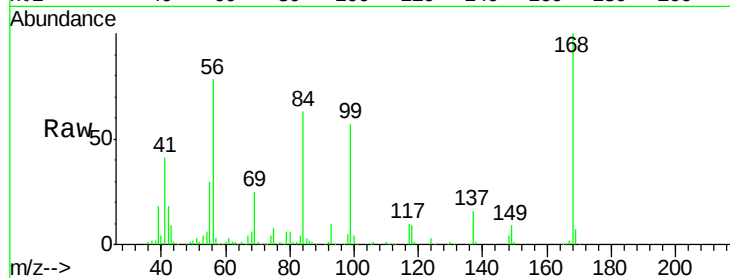
99 56.6 47.0 70.4

Manual Integrations

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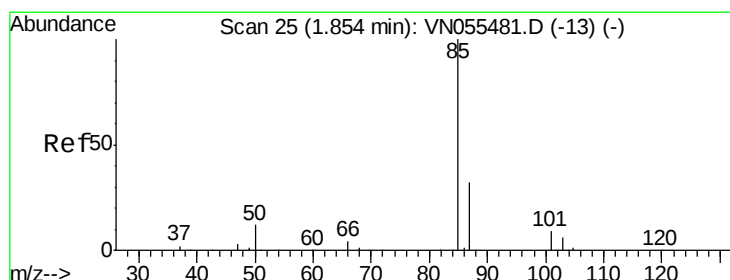
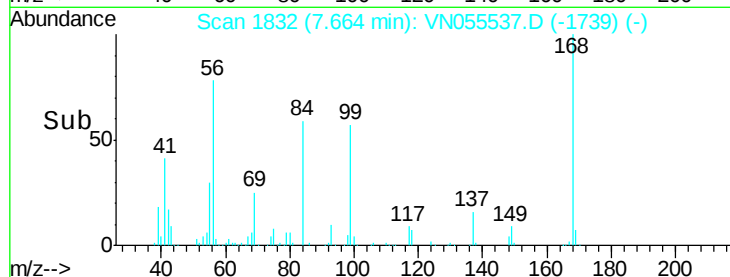
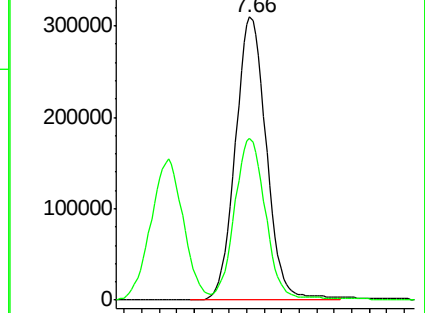
MMDadoda

5/11/2019 1:16:19 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.511 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055537.D

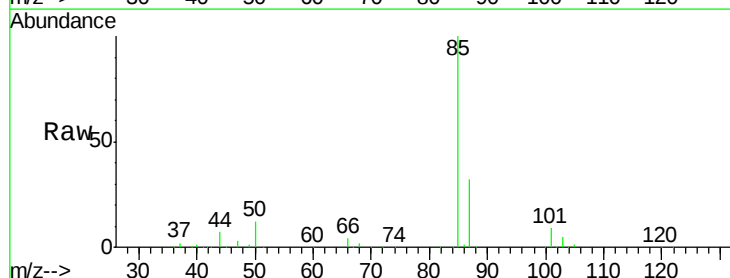
Acq: 10 May 2019 8:53

Tgt Ion: 85 Resp: 345692

Ion Ratio Lower Upper

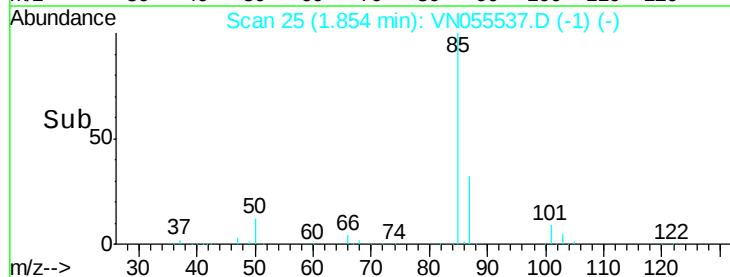
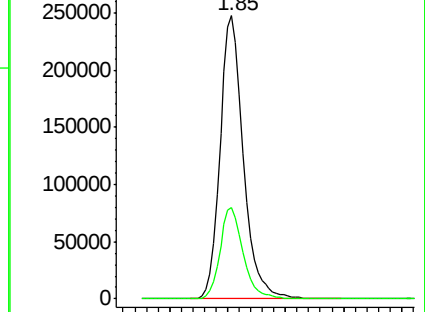
85 100

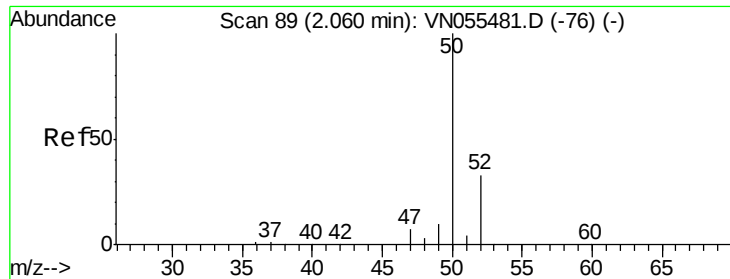
87 32.2 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 42.121 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 531453

Ion Ratio Lower Upper

50 100

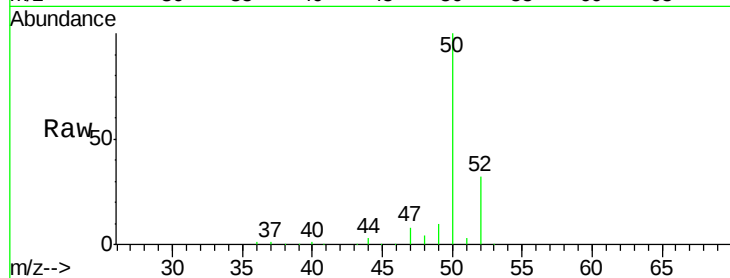
52 32.4 26.6 39.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

400000

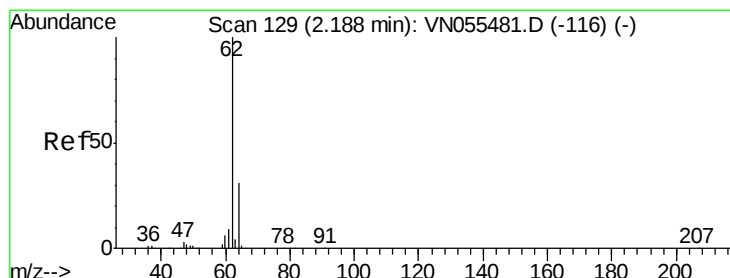
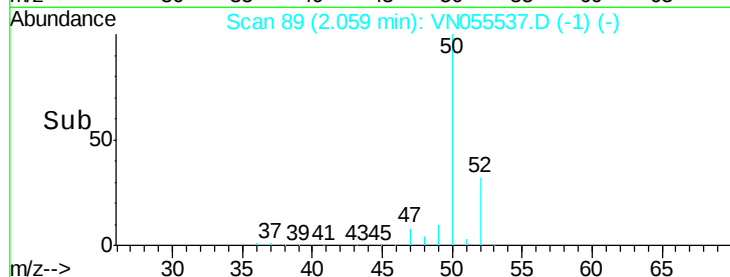
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 44.528 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055537.D

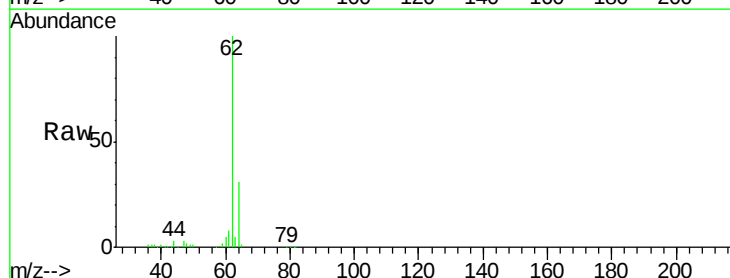
Acq: 10 May 2019 8:53

Tgt Ion: 62 Resp: 530349

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

400000

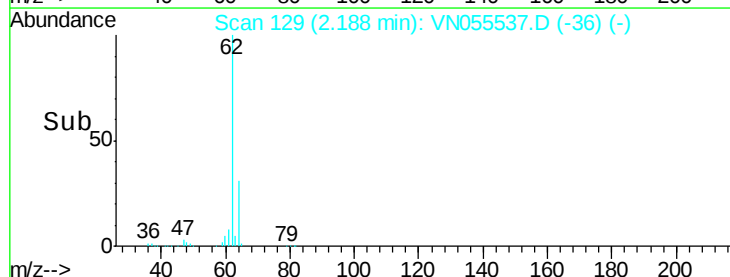
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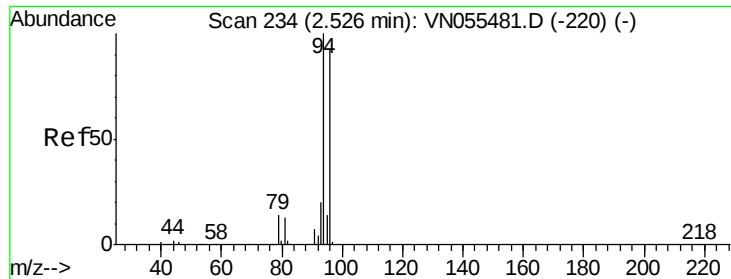
200000

100000

0

Time-->





#5

Bromomethane

Concen: 46.271 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.02 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 301951

Ion Ratio Lower Upper

94 100

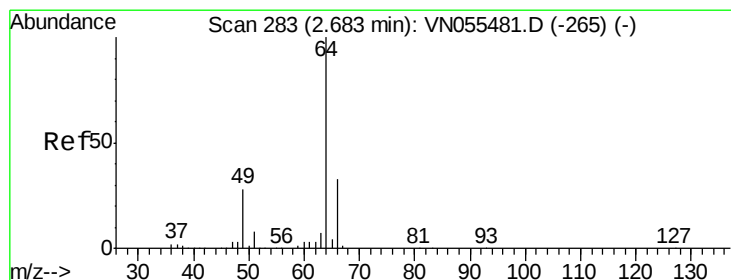
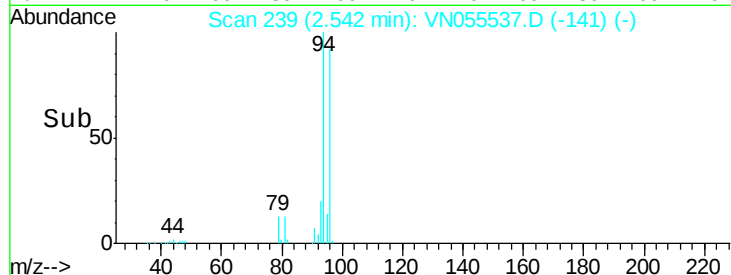
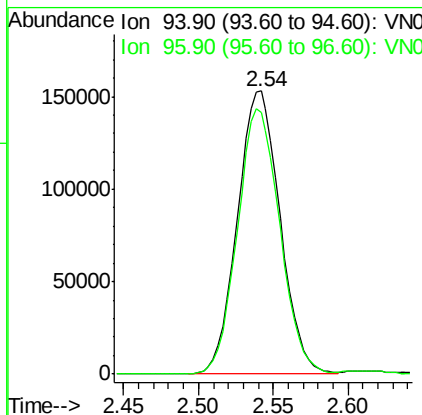
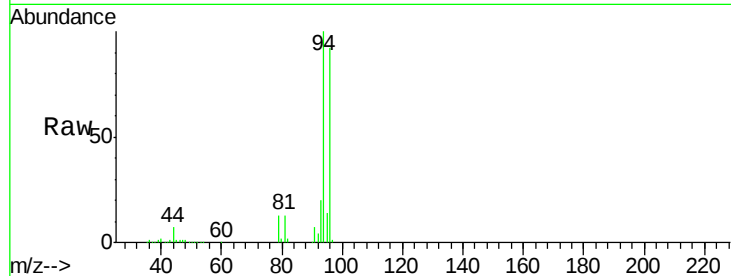
96 92.4 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 46.962 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN055537.D

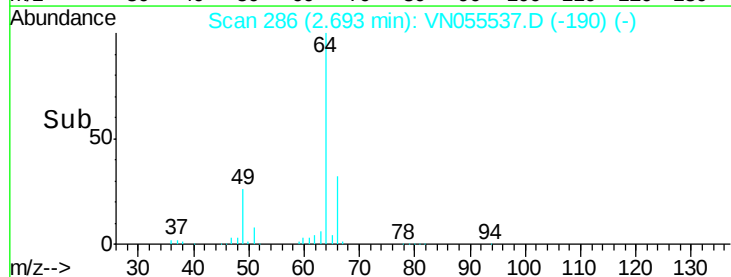
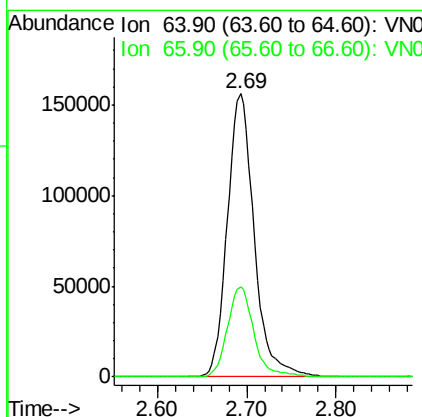
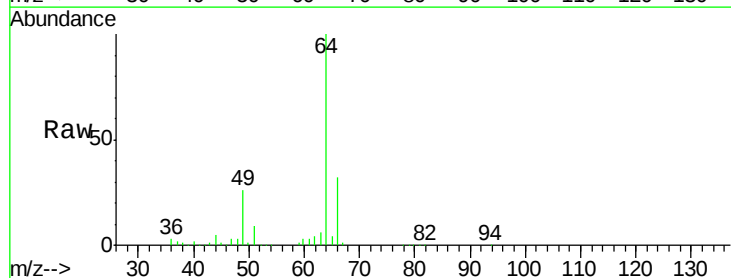
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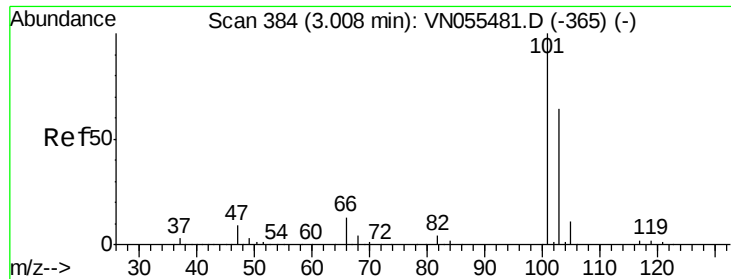
Tgt Ion: 64 Resp: 325797

Ion Ratio Lower Upper

64 100

66 31.8 26.2 39.2





#7

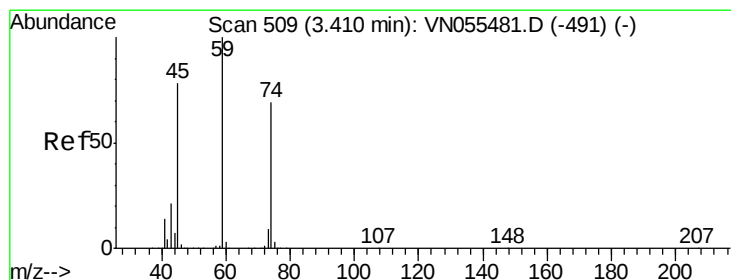
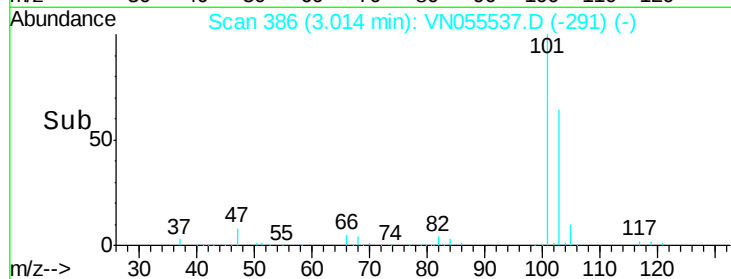
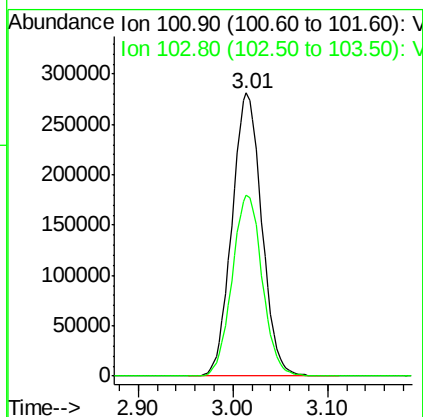
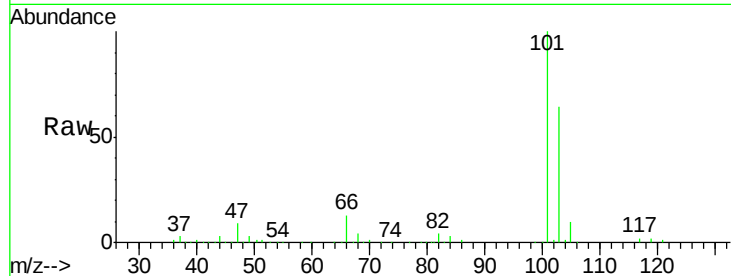
Trichlorofluoromethane
Concen: 47.093 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.01 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.2	76.8

Manual Integrations
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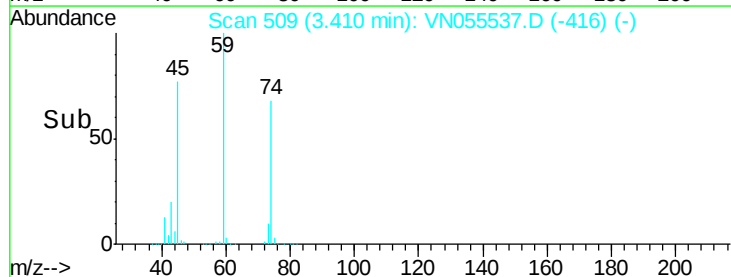
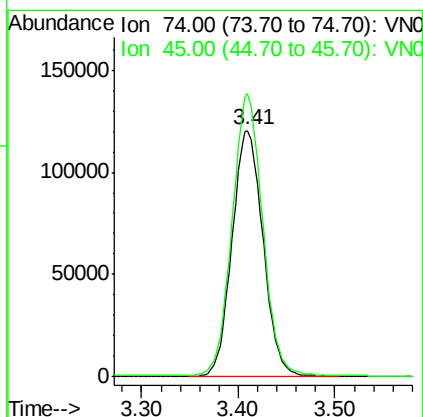
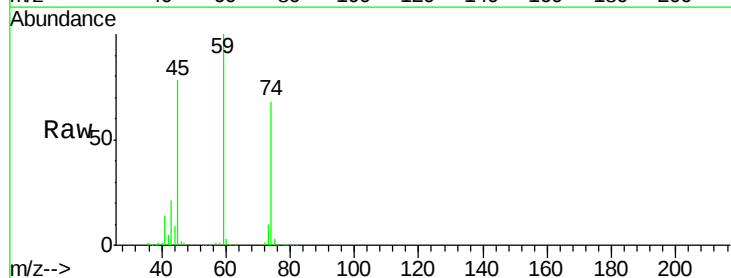
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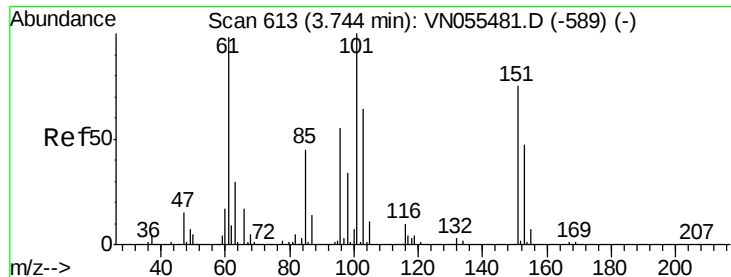


#8

Diethyl Ether
Concen: 45.711 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.3	58.1	174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.204 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

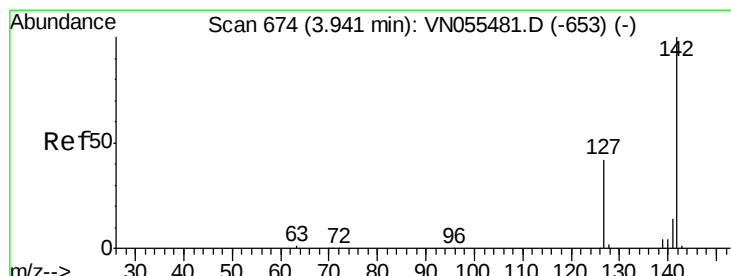
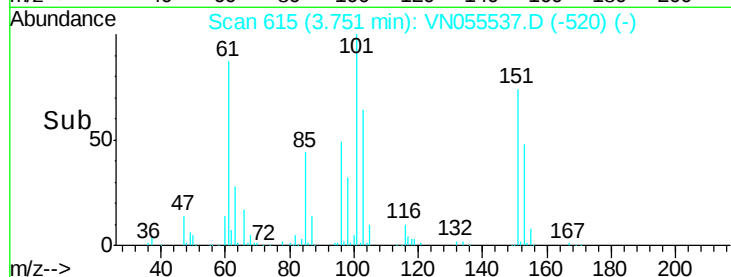
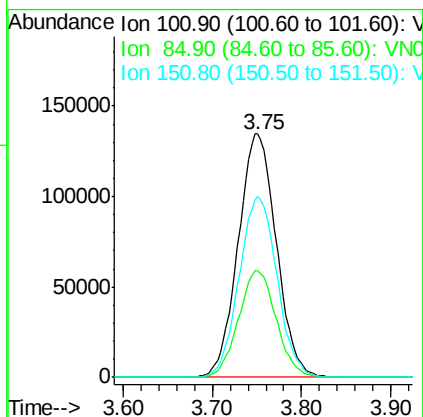
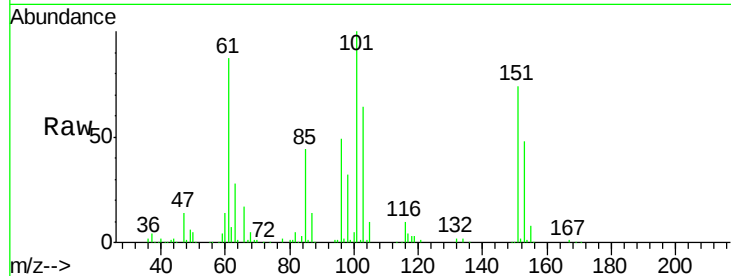
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	400725
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.5	53.3
151	74.0	59.2	88.8

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#10

Methyl Iodide

Concen: 45.842 ug/l

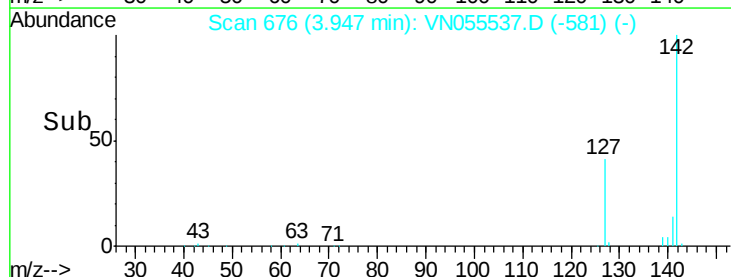
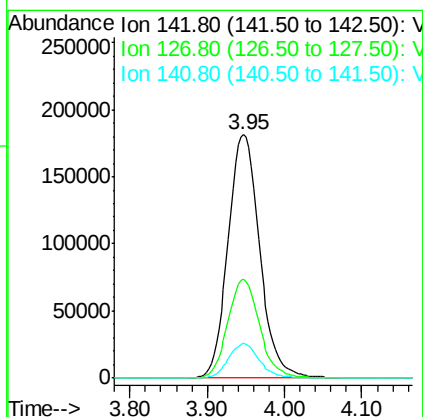
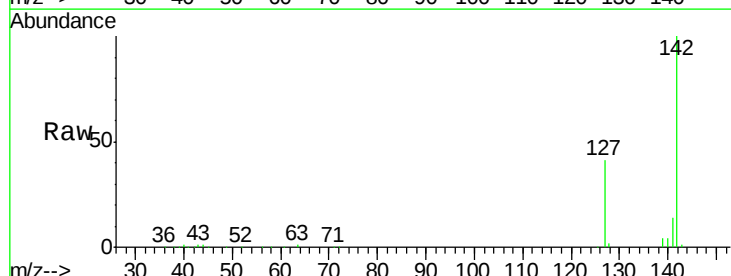
RT: 3.95 min Scan# 676

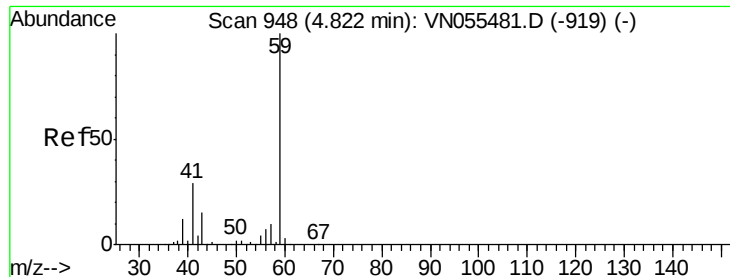
Delta R.T. 0.01 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Tgt Ion:	142	Resp:	515074
Ion Ratio	Lower	Upper	
142	100		
127	41.0	33.0	49.4
141	13.9	11.4	17.0





#11

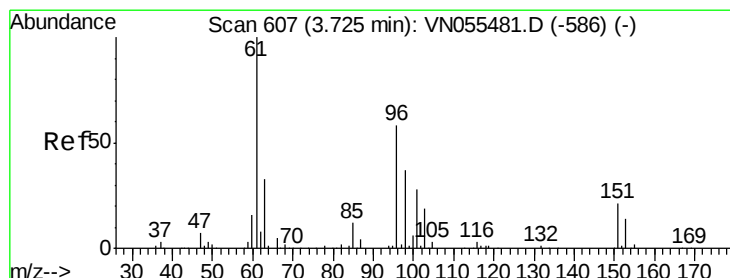
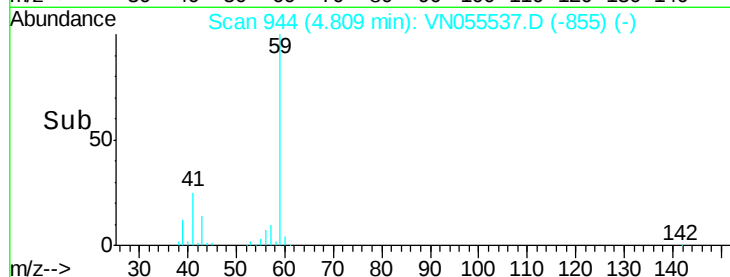
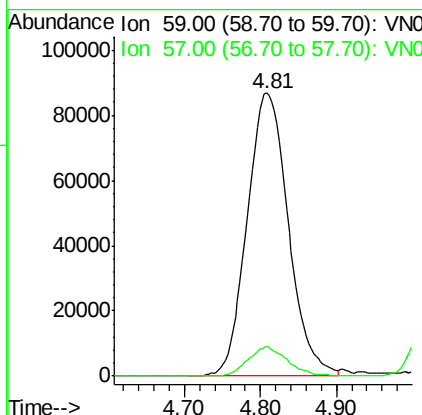
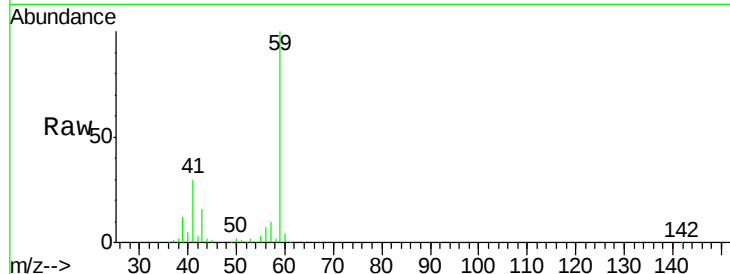
Tert butyl alcohol
Concen: 193.004 ug/l
RT: 4.81 min Scan# 944
Delta R.T. -0.01 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	327306
Ion Ratio	100	Lower	Upper
57	10.0	8.0	12.0

Manual Integrations
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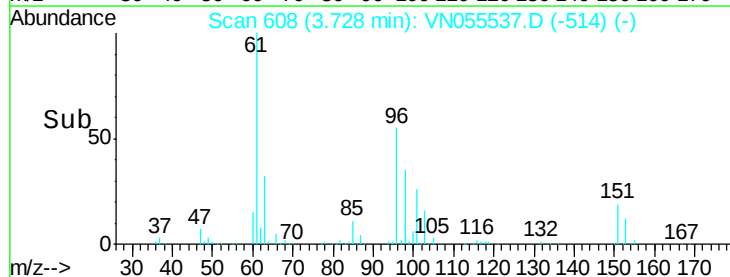
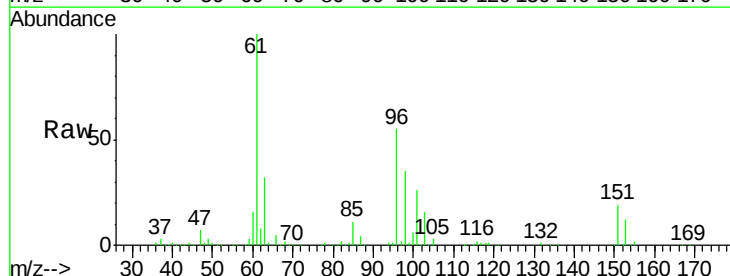
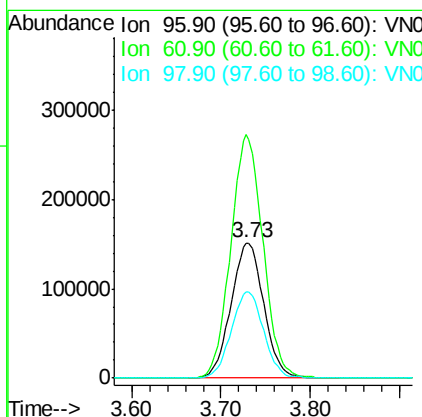
MMDadoda
5/11/2019 1:16:19 PM

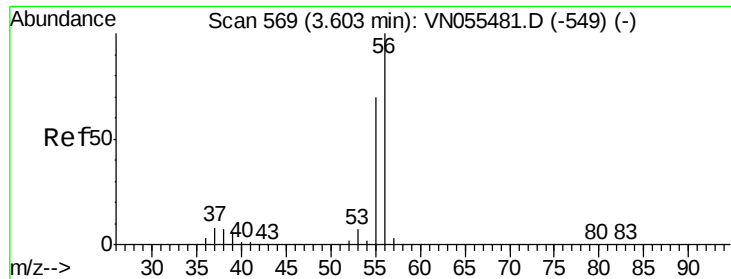


#12

1,1-Dichloroethene
Concen: 46.198 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion	96	Resp	385163
Ion Ratio	100	Lower	Upper
61	180.3	138.7	208.1
98	63.9	50.6	76.0





#13

Acrolein

Concen: 214.410 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 242332

Ion Ratio Lower Upper

56 100

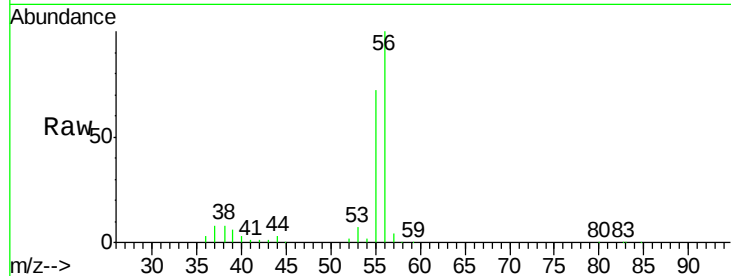
55 70.6 57.7 86.5

Manual Integrations

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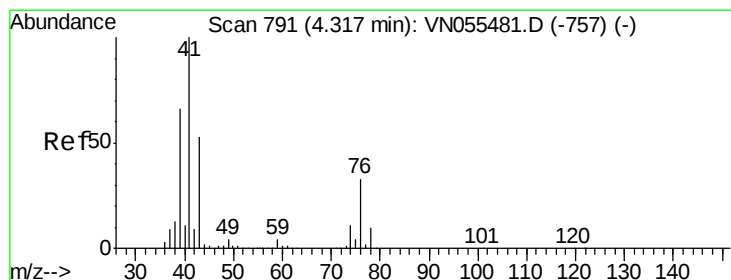
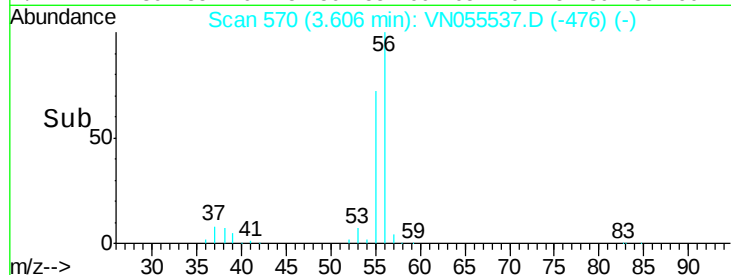
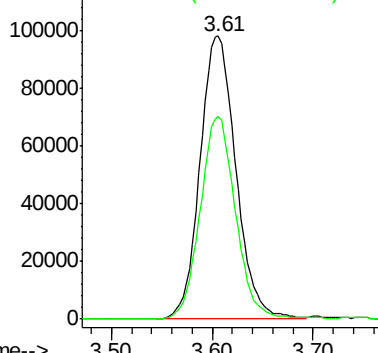
MMDadoda

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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: 45.462 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

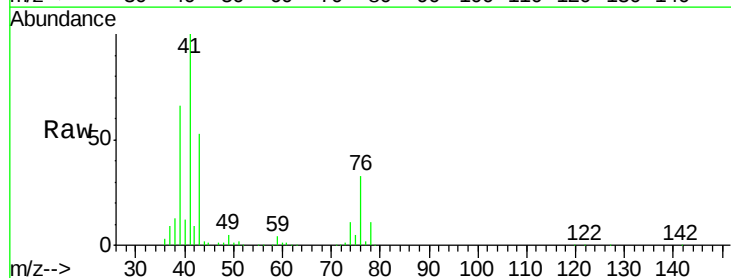
Tgt Ion: 41 Resp: 776410

Ion Ratio Lower Upper

41 100

39 61.8 49.8 74.8

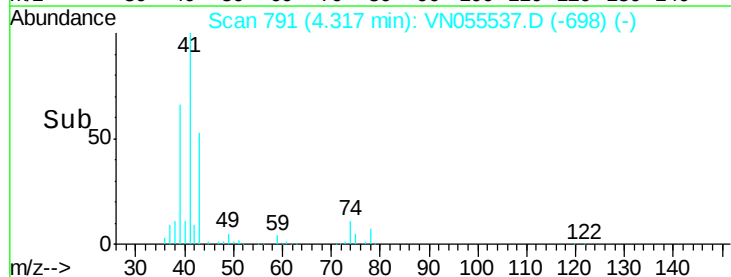
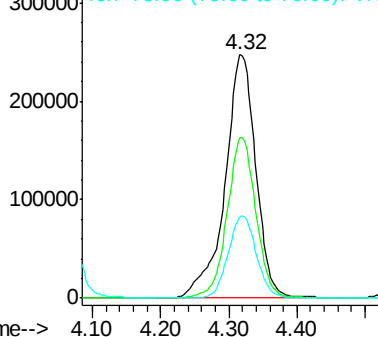
76 30.4 23.5 35.3

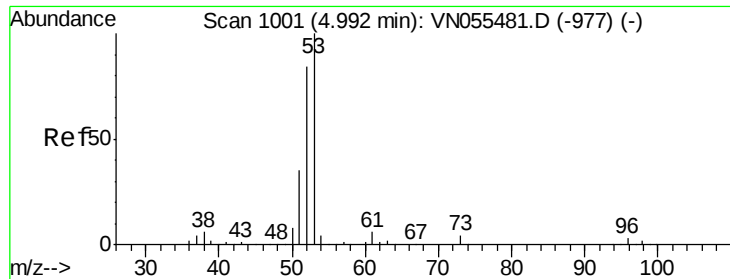


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





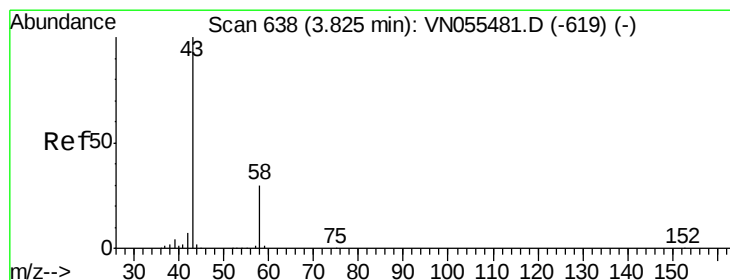
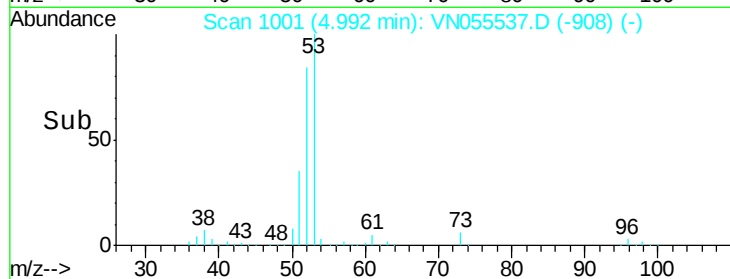
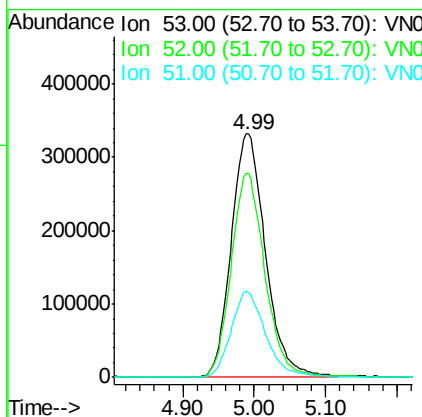
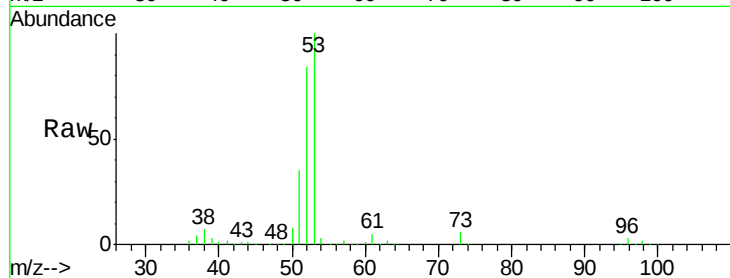
#15
Acrylonitrile
Concen: 211.705 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.1	99.1
51	35.7	28.3	42.5

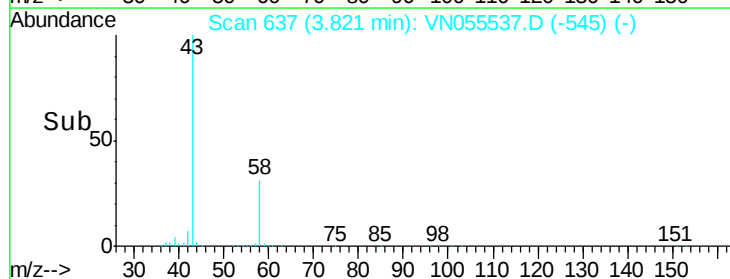
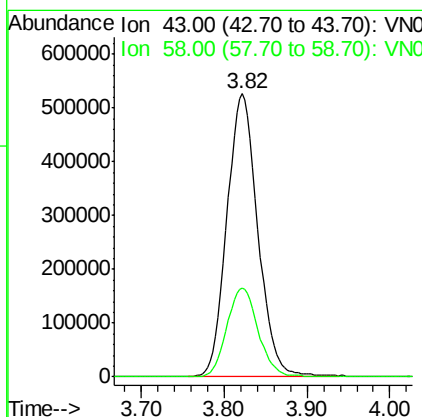
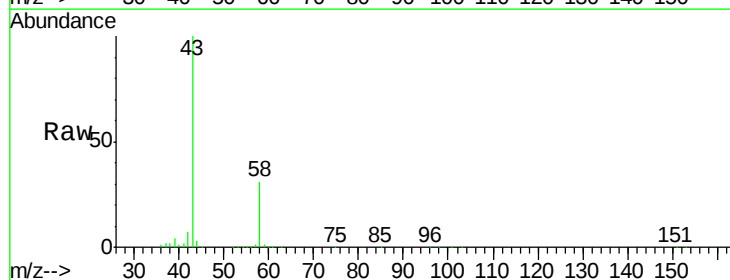
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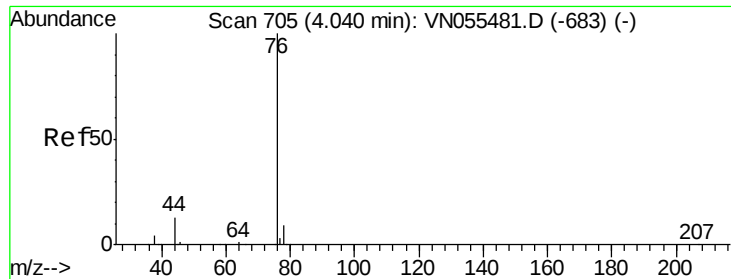
MMDadoda
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#16
Acetone
Concen: 254.314 ug/l
RT: 3.82 min Scan# 637
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.2	36.2





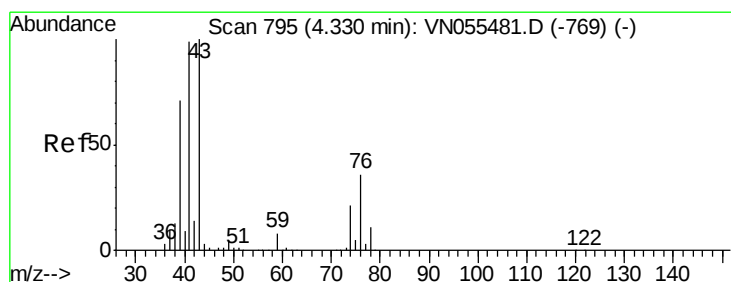
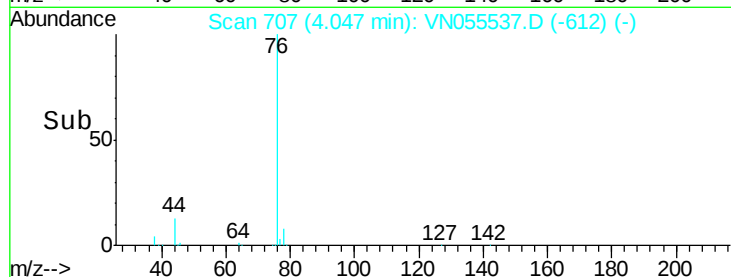
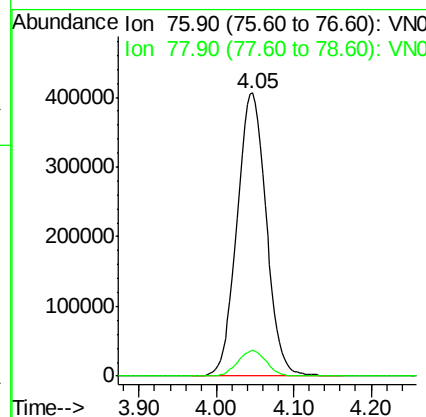
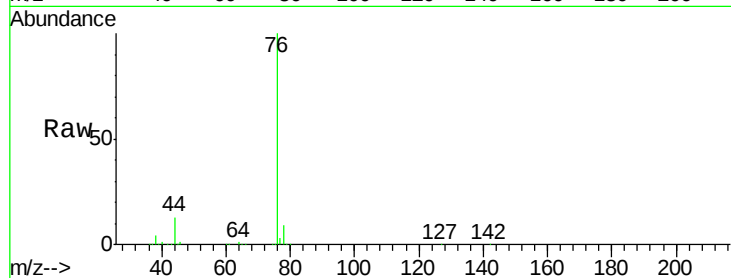
#17
Carbon Disulfide
Concen: 46.654 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.01 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1061589
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

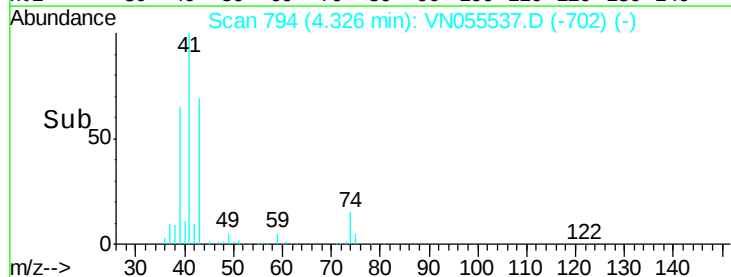
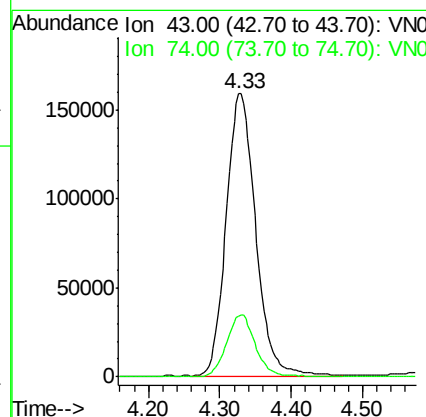
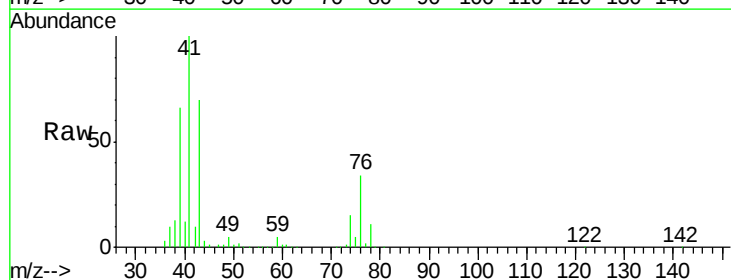
Manual Integrations
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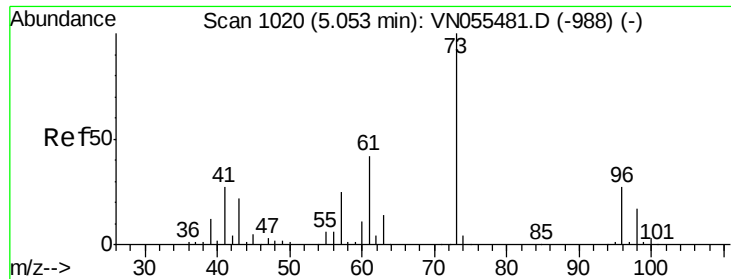
MMDadoda
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#18
Methyl Acetate
Concen: 40.637 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion: 43 Resp: 455829
Ion Ratio Lower Upper
43 100
74 21.5 16.3 24.5





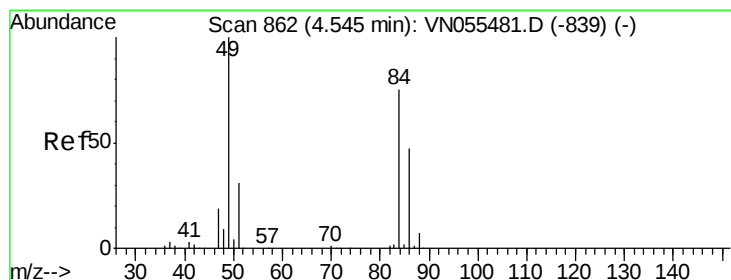
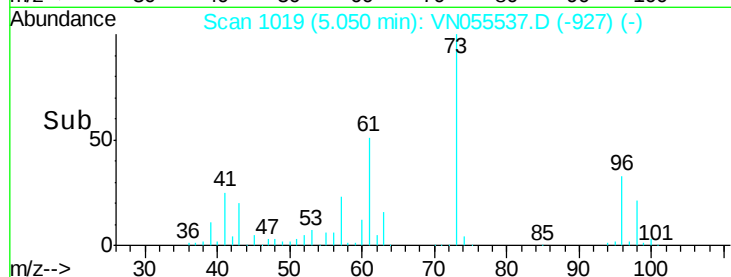
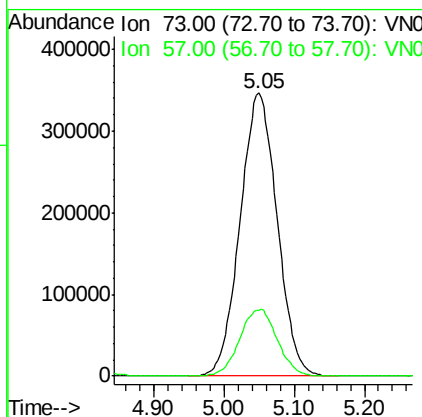
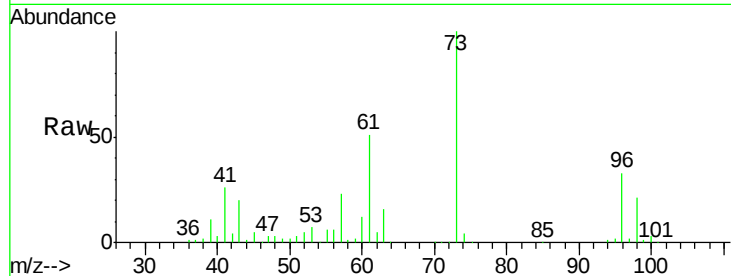
#19
Methvl tert-butvl Ether
Concen: 45.772 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1268031
Ion Ratio Lower Upper
73 100
57 23.4 20.0 30.0

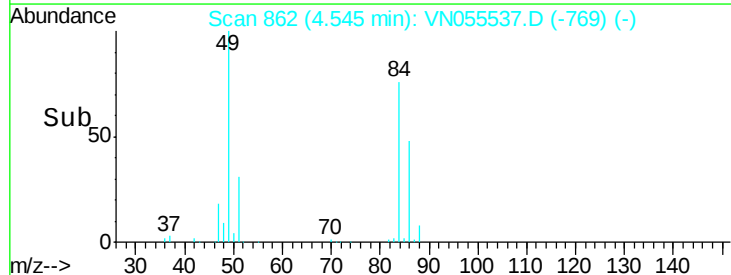
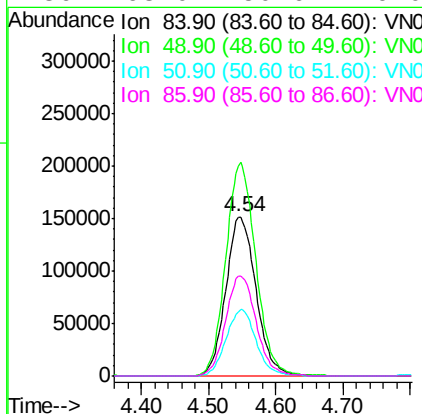
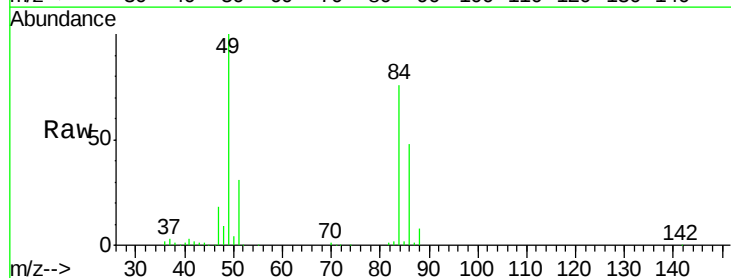
Manual Integrations
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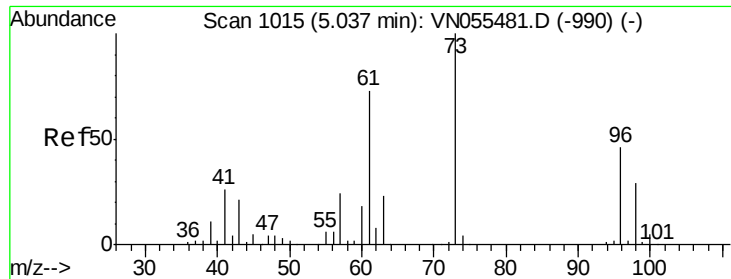
MMDadoda
5/11/2019 1:16:19 PM



#20
Methylene Chloride
Concen: 43.654 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion: 84 Resp: 474720
Ion Ratio Lower Upper
84 100
49 131.7 107.0 160.6
51 40.5 33.0 49.4
86 63.0 50.6 76.0





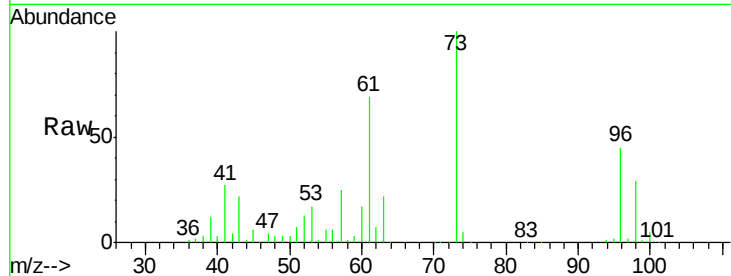
#21
trans-1,2-Dichloroethene
Concen: 47.225 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.4	127.4	191.0
98	63.4	51.6	77.4

Manual Integrations
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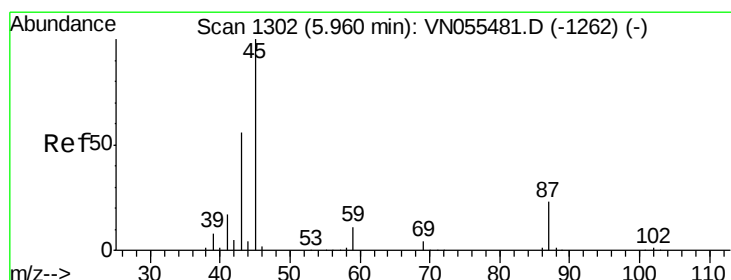
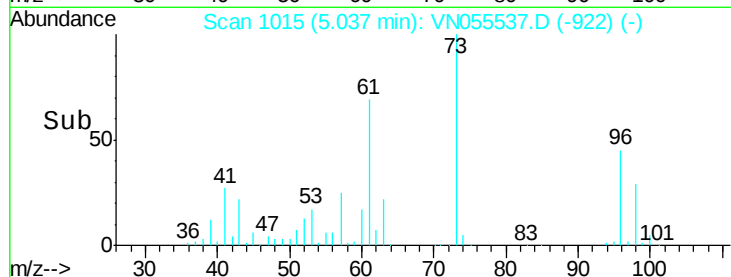
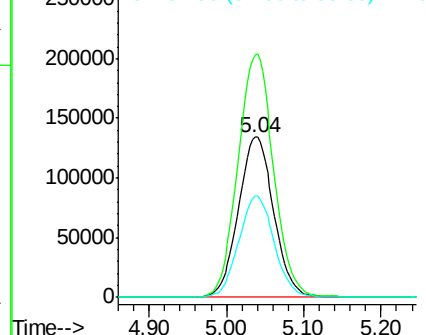


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 46.547 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.8	44.6	66.8
87	24.0	18.6	28.0
59	10.7	8.6	12.8

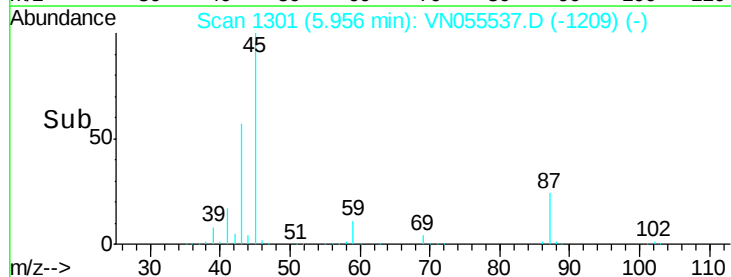
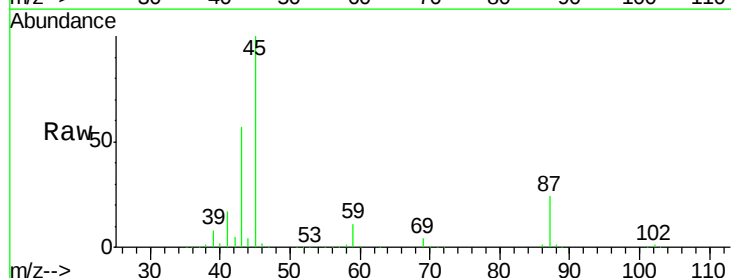
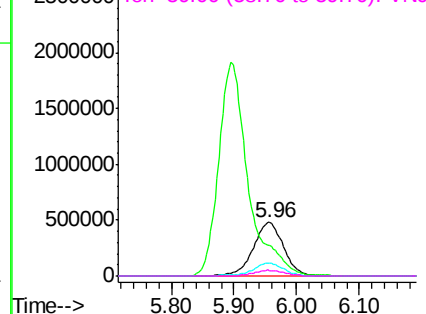
Abundance

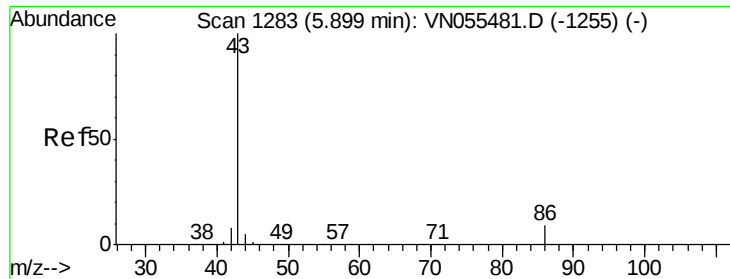
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





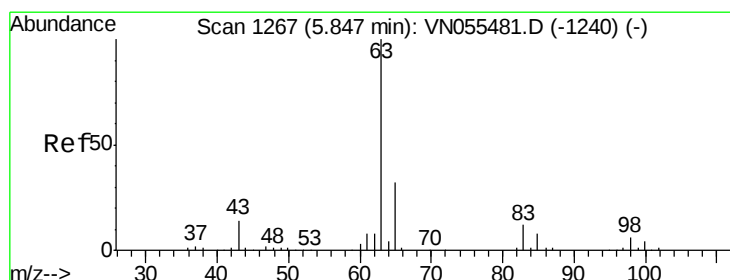
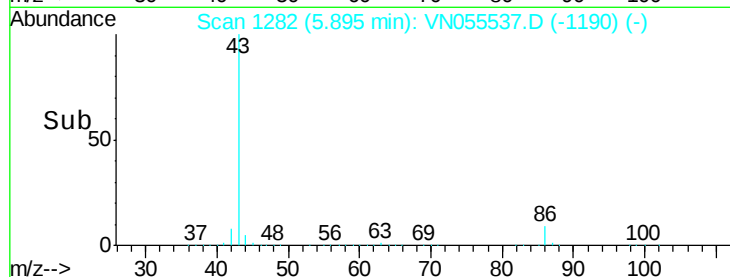
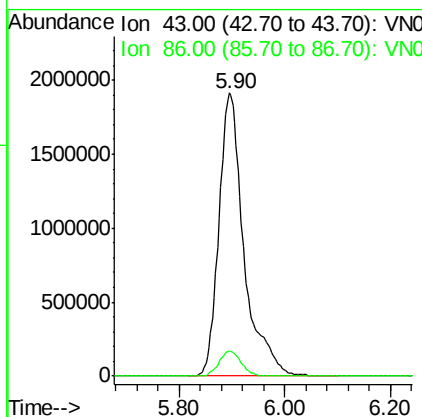
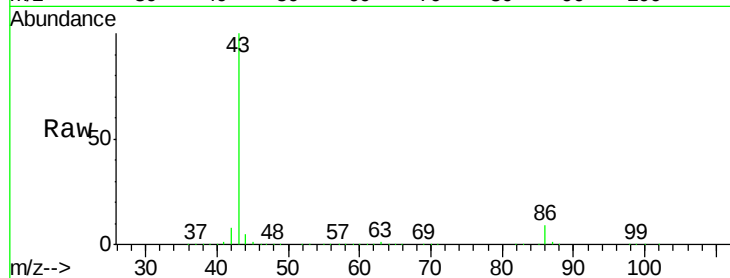
#23
 Vinyl Acetate
 Concen: 234.014 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 6280852
 Ion Ratio Lower Upper
 43 100
 86 8.7 7.1 10.7

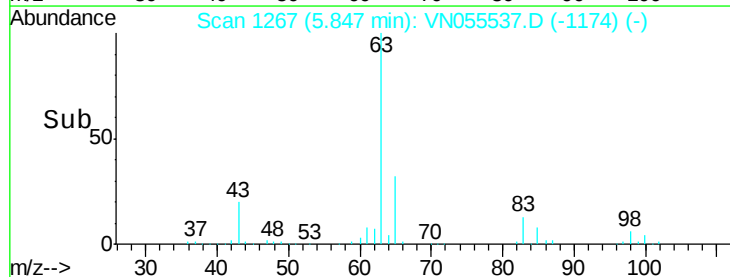
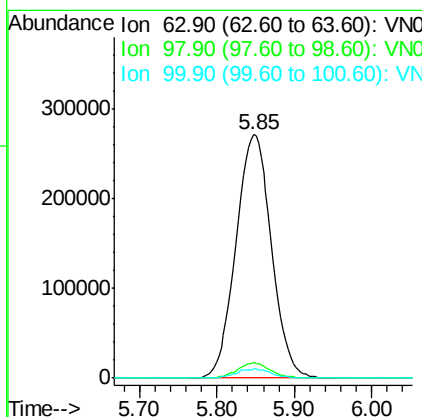
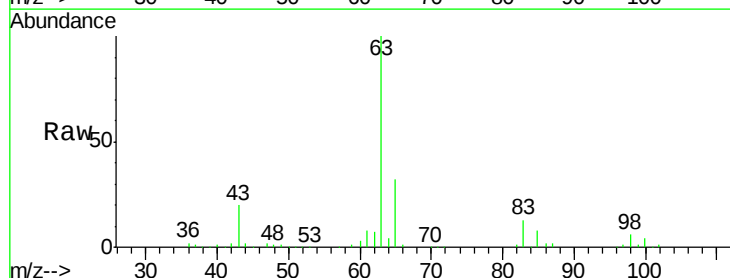
Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 1:16:19 PM



#24
 1,1-Dichloroethane
 Concen: 46.177 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Tgt Ion: 63 Resp: 865103
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.0 9.0
 100 3.7 1.9 5.7





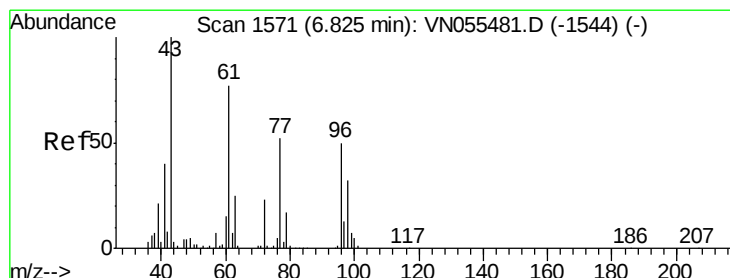
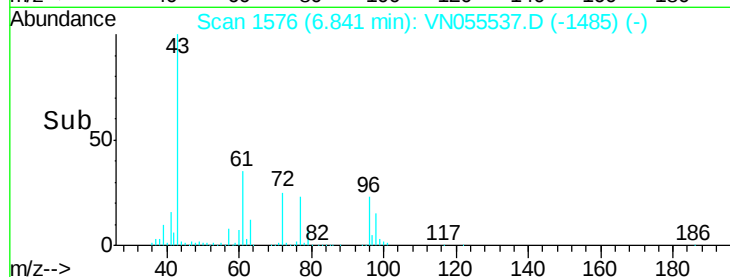
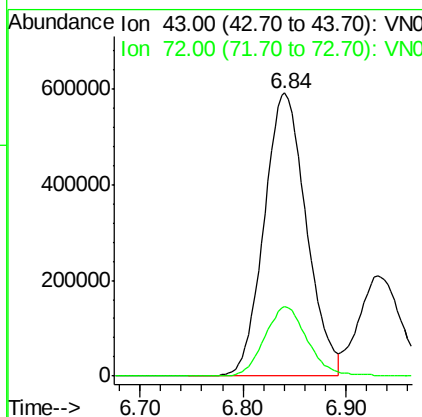
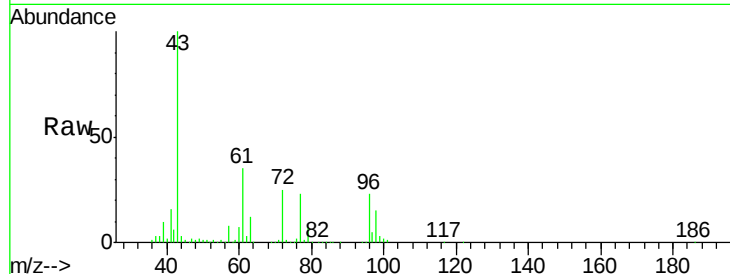
#25
2-Butanone
Concen: 228.326 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.01 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1677371
Ion Ratio Lower Upper
43 100
72 24.8 18.6 27.8

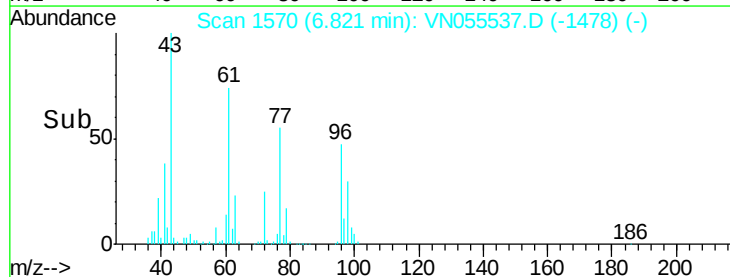
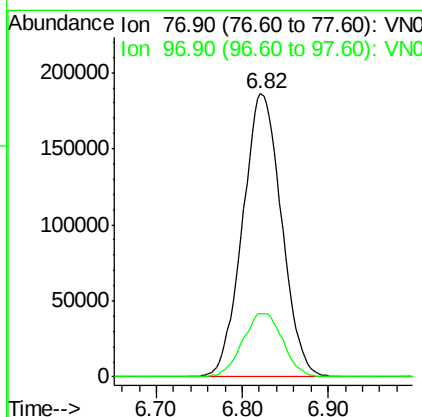
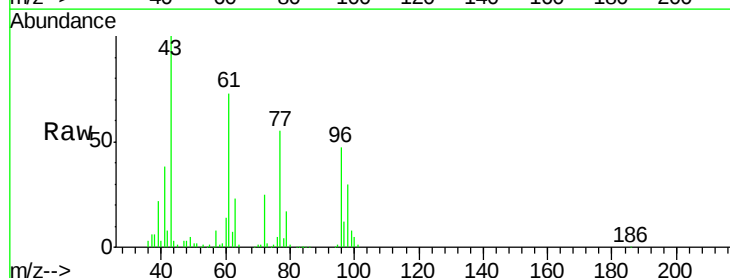
Manual Integrations
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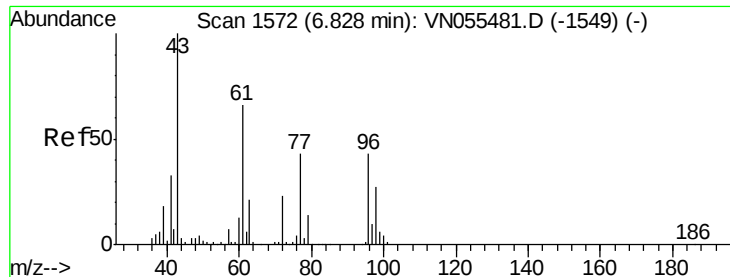
MMDadoda
5/11/2019 1:16:19 PM



#26
2,2-Dichloropropane
Concen: 50.231 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion: 77 Resp: 586638
Ion Ratio Lower Upper
77 100
97 23.2 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 47.054 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

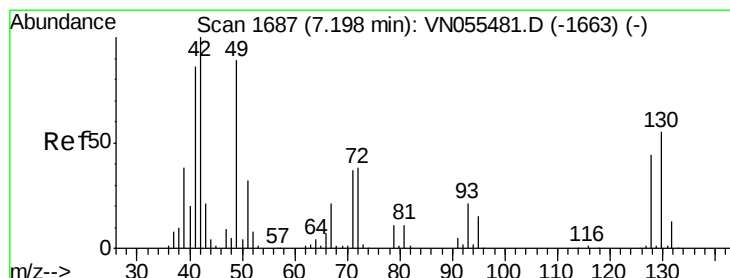
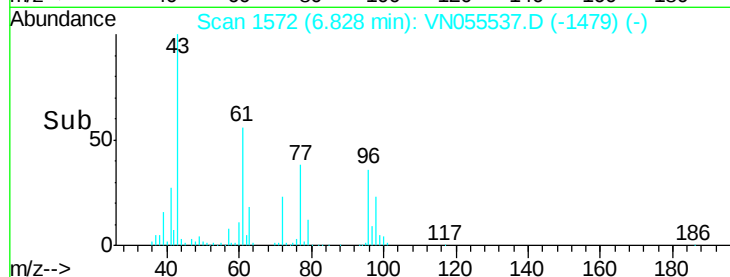
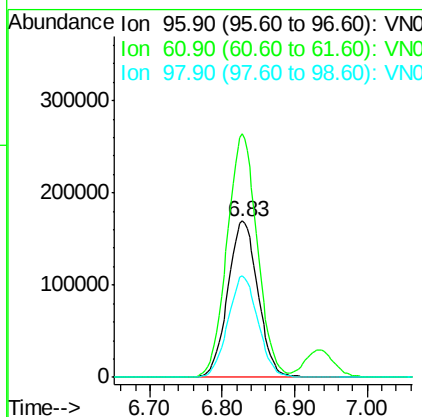
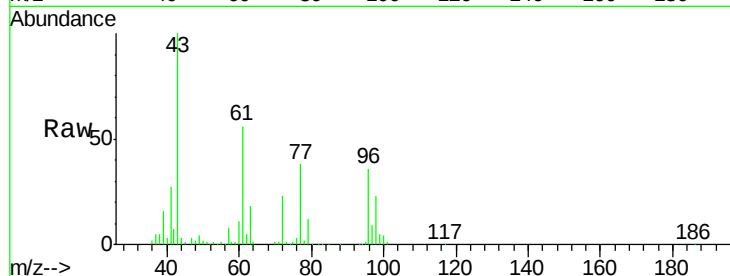
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	491560
Ion	Ratio	Lower	Upper
96	100		
61	155.6	0.0	310.8
98	64.6	0.0	129.4

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#28

Bromochloromethane

Concen: 46.074 ug/l

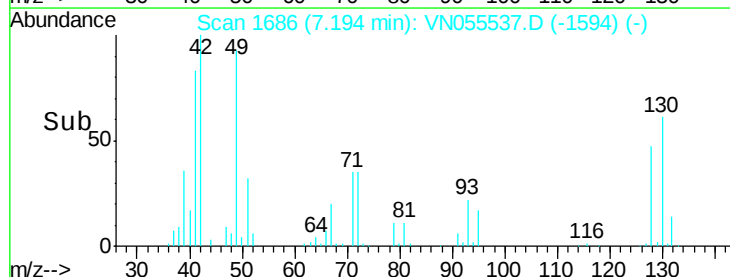
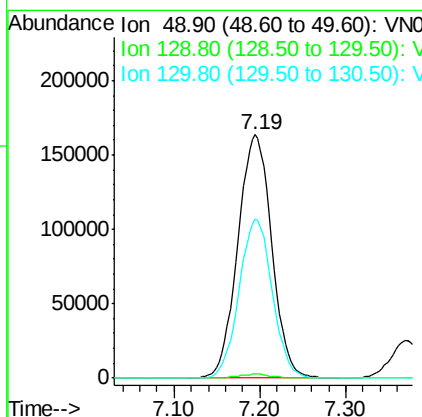
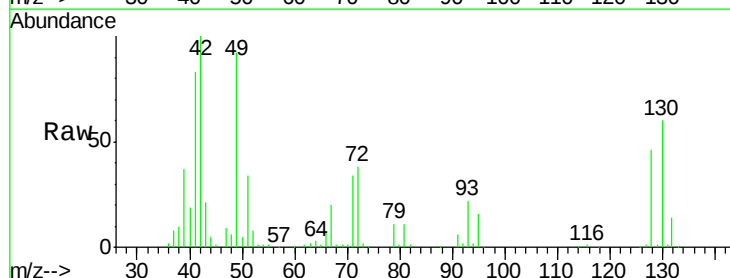
RT: 7.19 min Scan# 1686

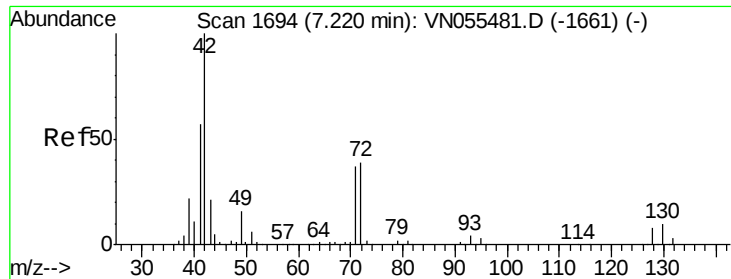
Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Tgt Ion:	49	Resp:	448267
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.2
130	63.8	49.5	74.3





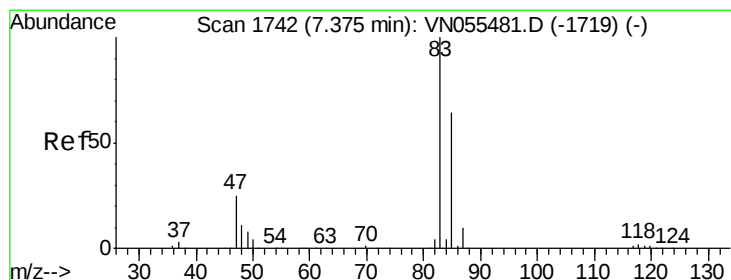
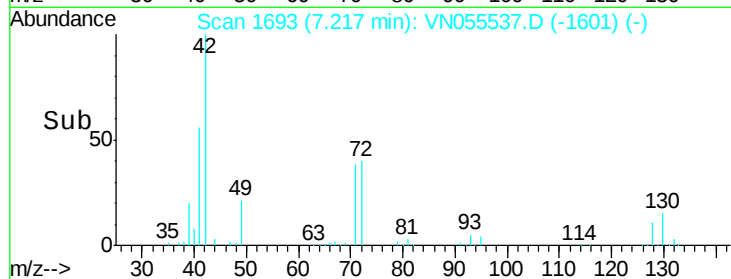
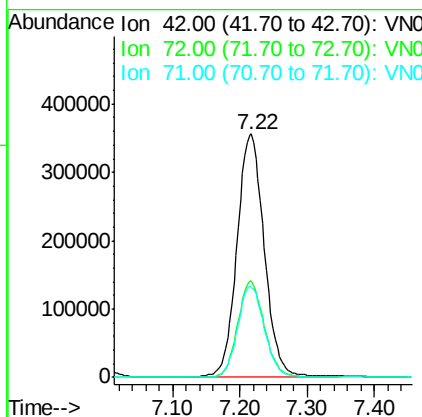
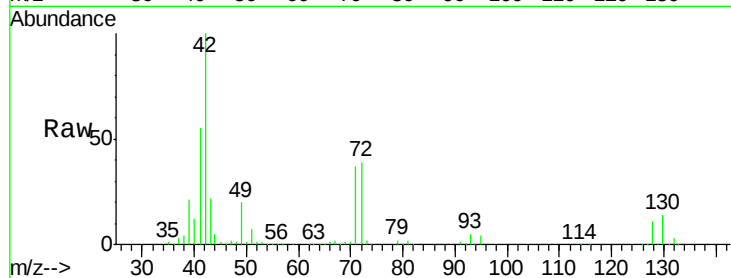
#29
Tetrahydrofuran
Concen: 205.059 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	31.0	46.6
71	36.8	29.4	44.2

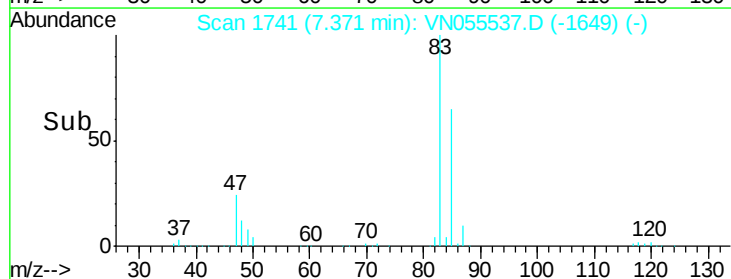
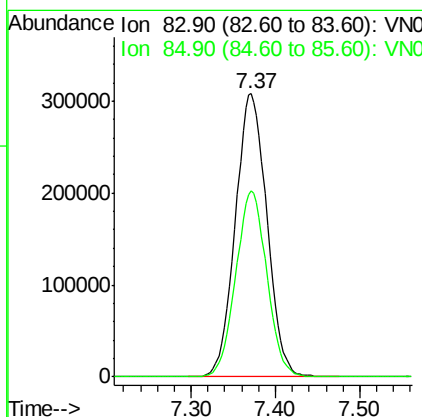
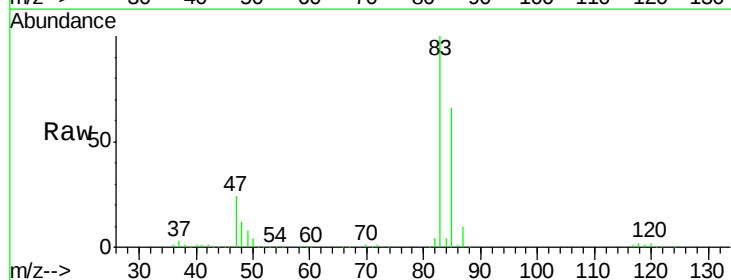
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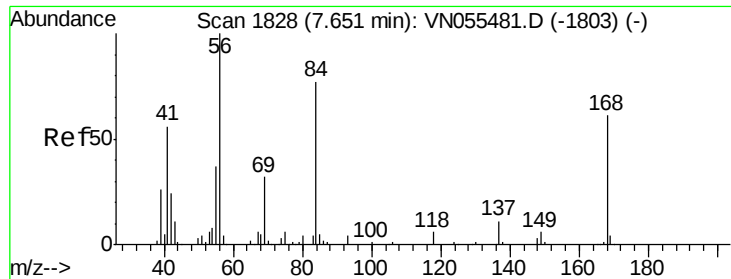
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#30
Chloroform
Concen: 46.295 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.3	76.9





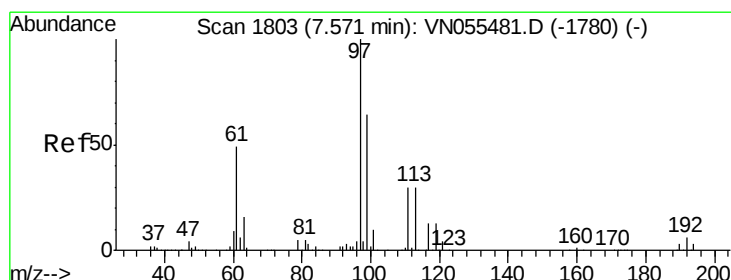
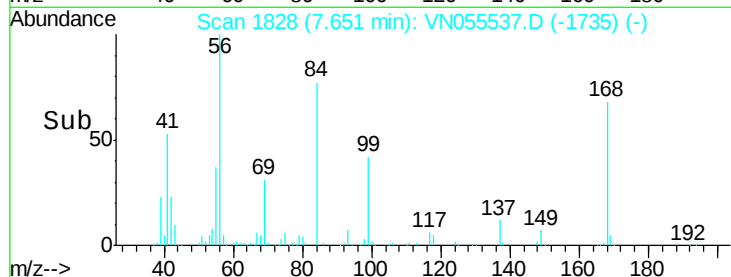
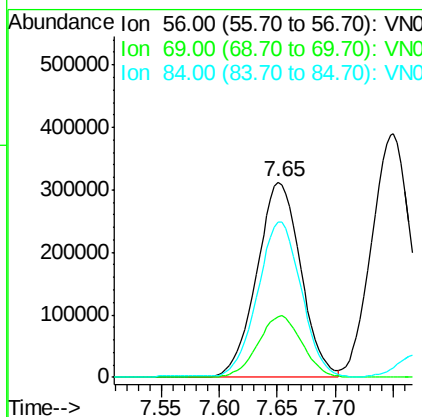
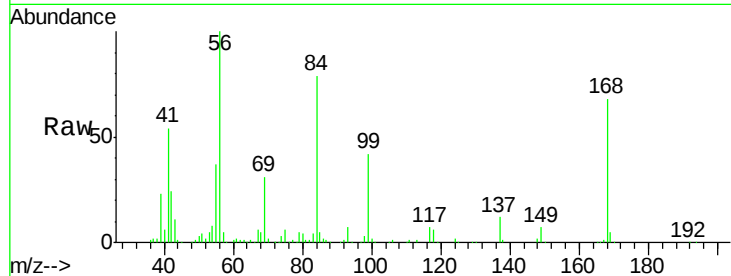
#31
Cyclohexane
Concen: 44.365 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		822357		
69	31.1	26.0	39.0		
84	78.2	61.9	92.9		

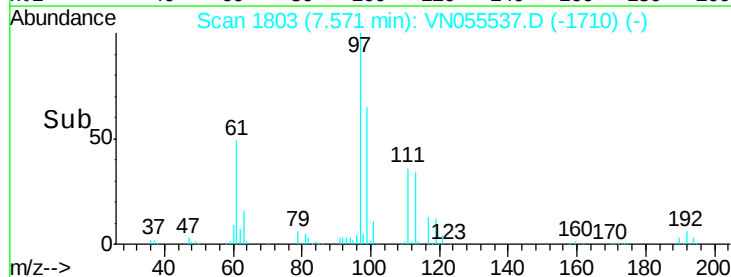
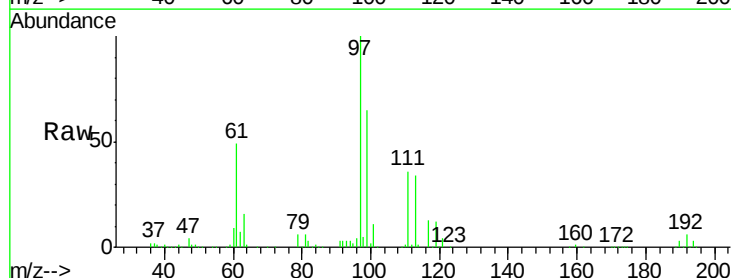
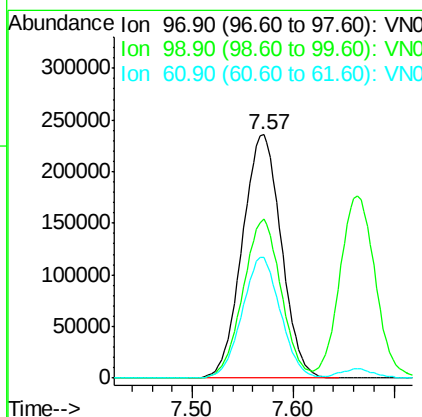
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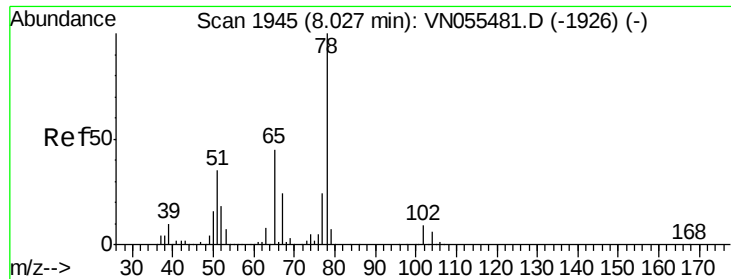
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#32
1,1,1-Trichloroethane
Concen: 47.860 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		631222		
99	63.8	51.2	76.8		
61	48.7	39.2	58.8		





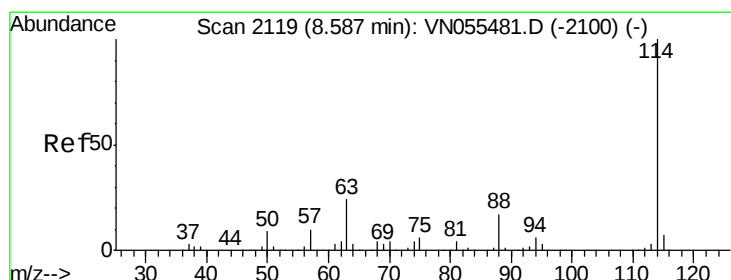
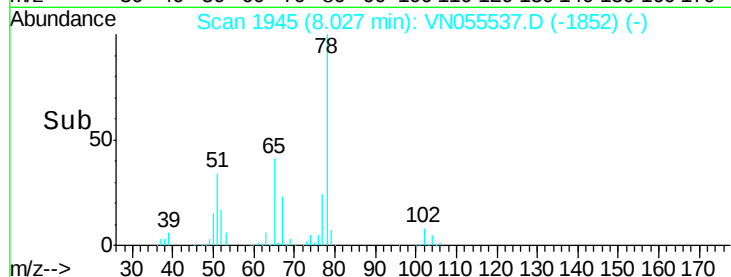
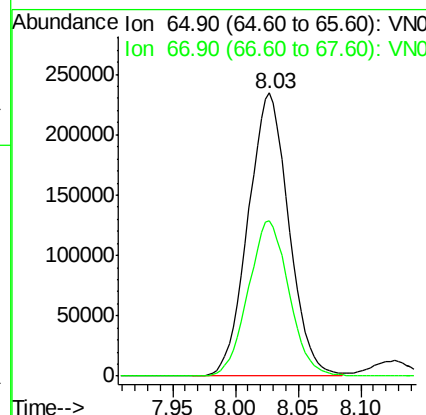
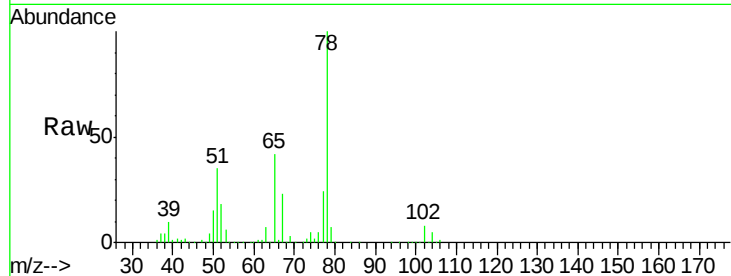
#33
 1,2-Dichloroethane-d4
 Concen: 46.115 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	529649		
67	55.1	0.0	109.6	

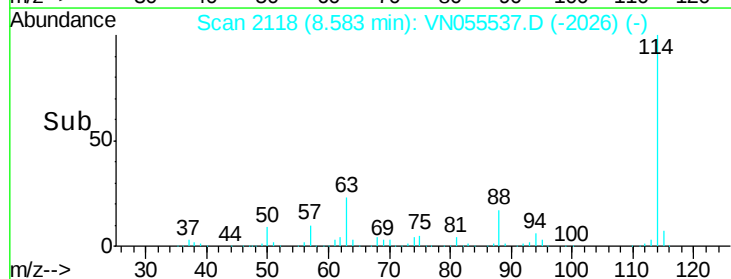
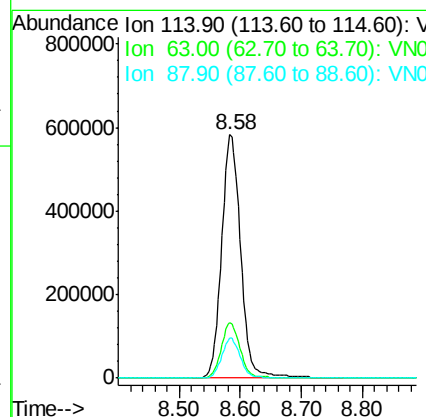
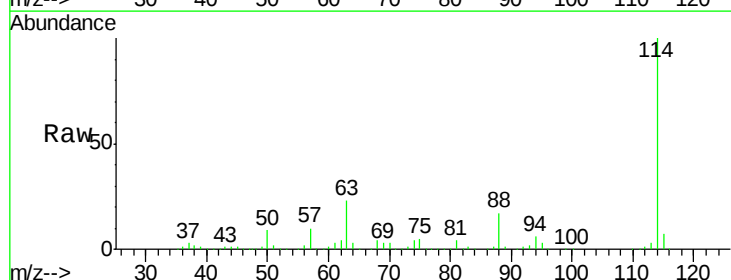
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1263874		
63	22.7	0.0	47.4	
88	16.5	0.0	34.0	





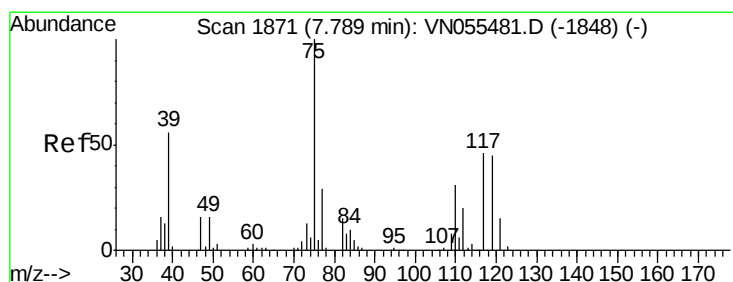
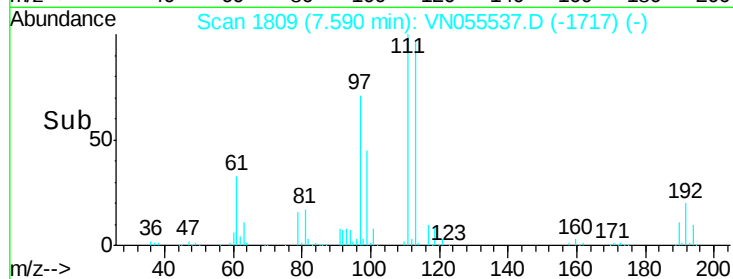
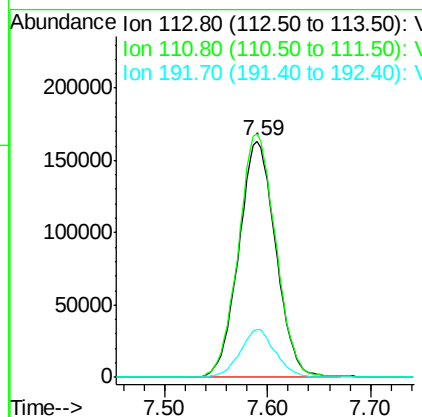
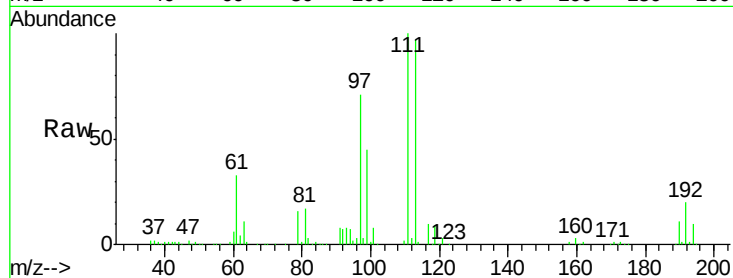
#35
Dibromofluoromethane
Concen: 49.971 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.5	82.9	124.3	
192	19.3	15.6	23.4	

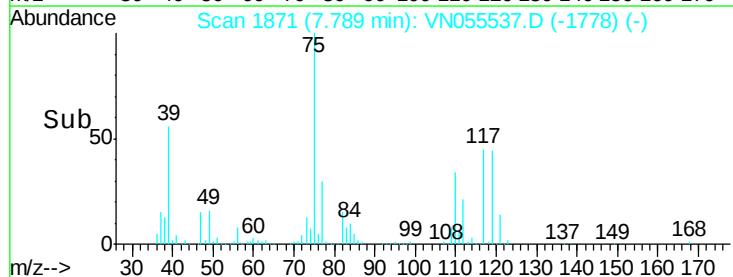
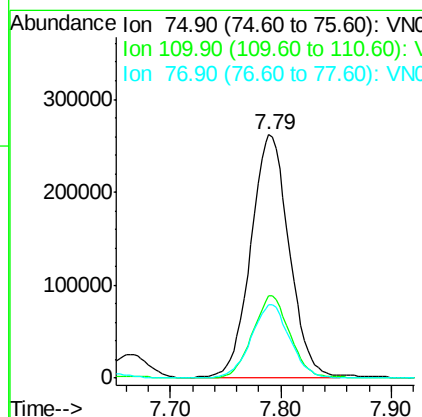
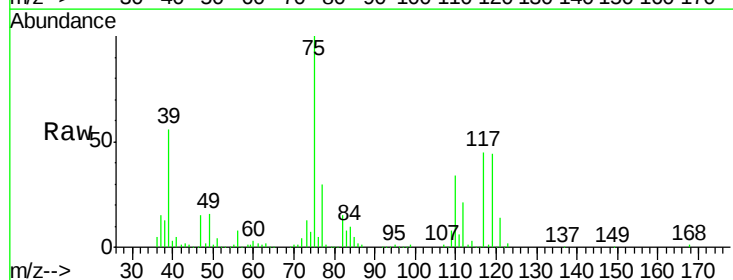
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#36
1,1-Dichloropropene
Concen: 50.177 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.4	16.1	48.3	
77	30.5	24.6	37.0	





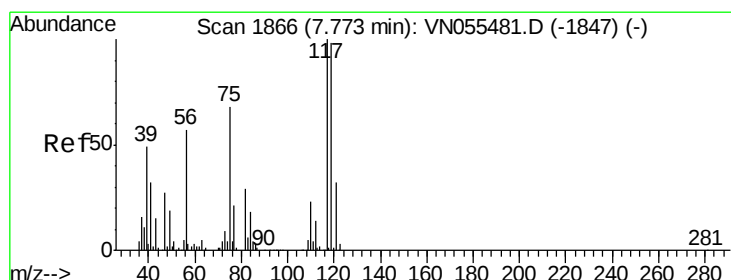
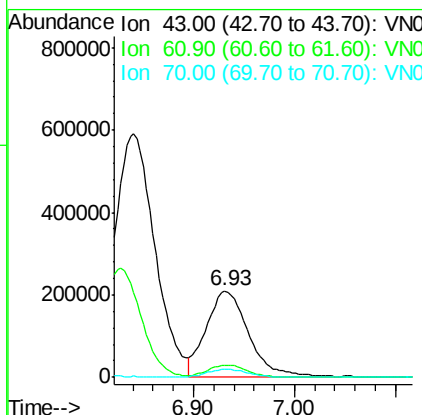
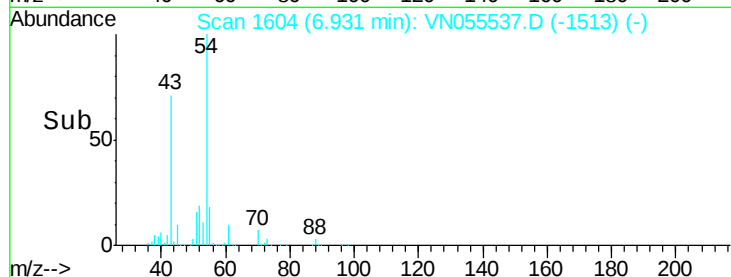
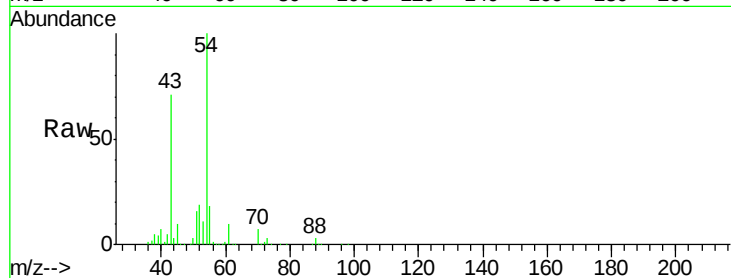
#37
Ethyl Acetate
Concen: 44.394 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	602972		
61	13.8		10.9	16.3
70	9.5		7.0	10.6

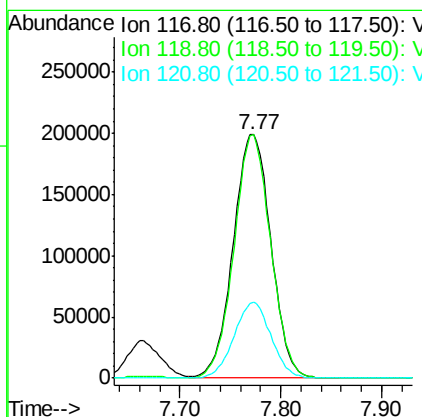
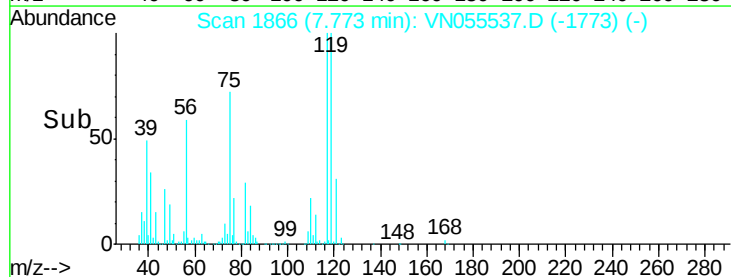
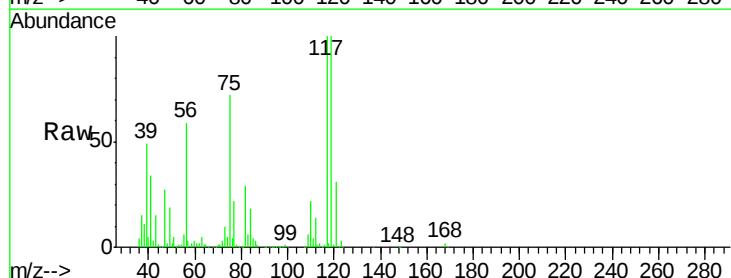
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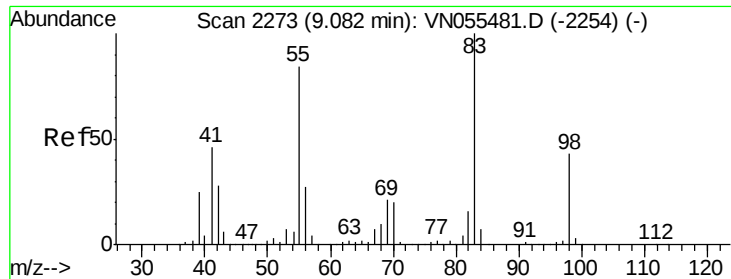
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#38
Carbon Tetrachloride
Concen: 49.163 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	515457		
119	100.1		77.8	116.6
121	31.5		25.2	37.8





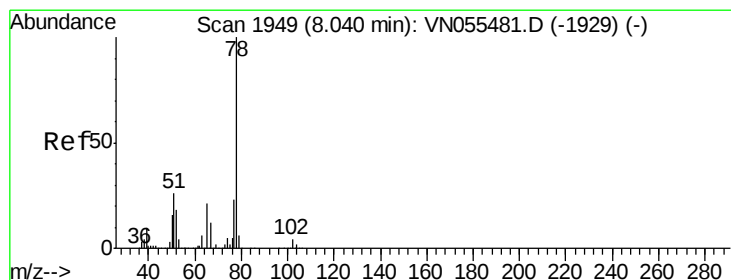
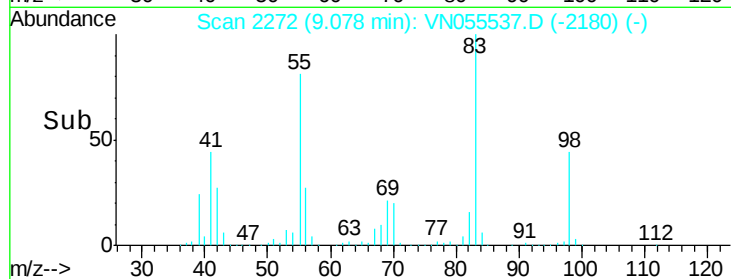
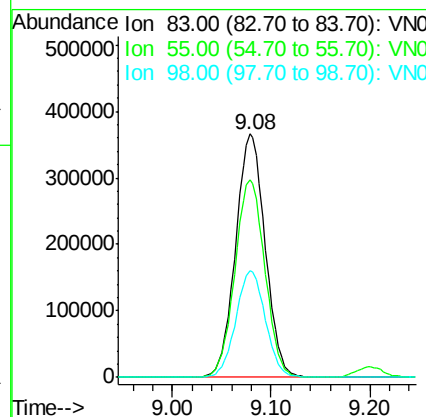
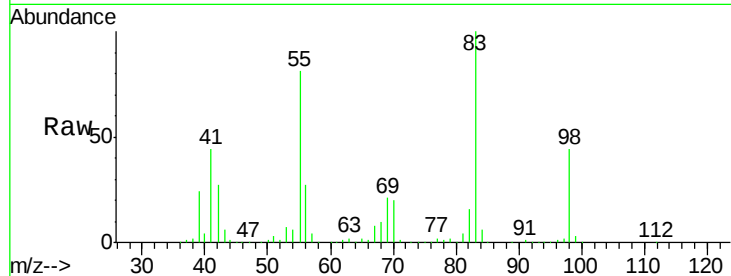
#39
Methvlcvclohexane
Concen: 50.137 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	761146
Ion Ratio	100	Lower	Upper
83	100		
55	81.3	67.0	100.4
98	43.7	34.2	51.4

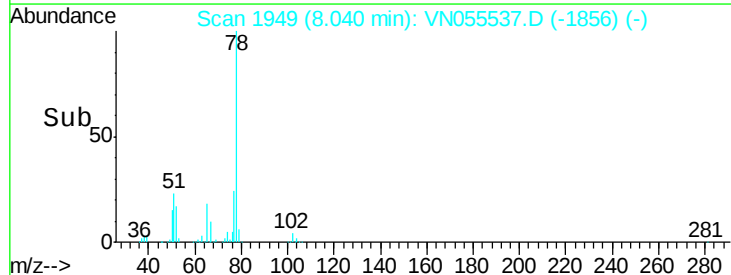
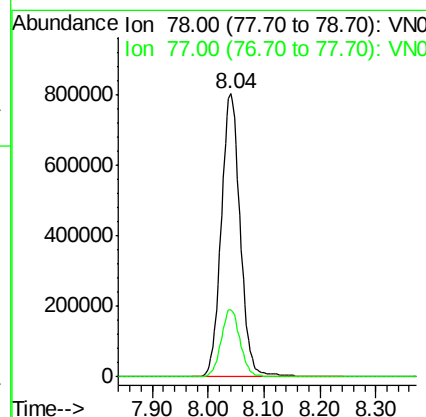
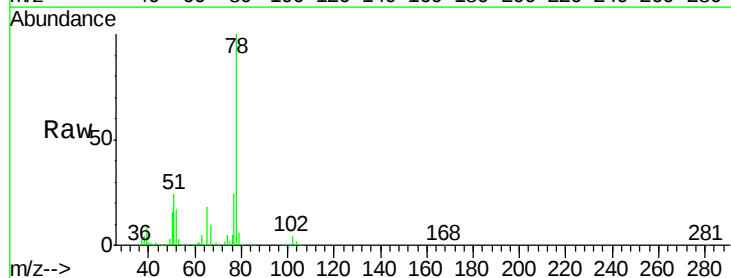
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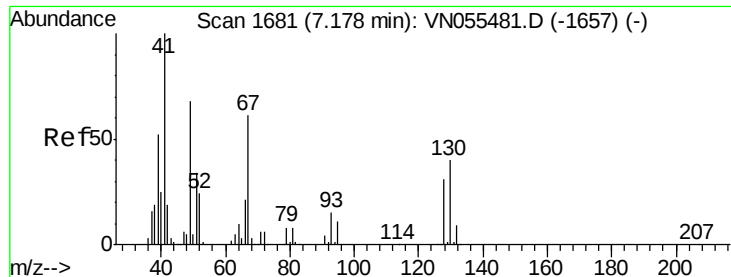
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#40
Benzene
Concen: 49.181 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion	78	Resp	1900552
Ion Ratio	100	Lower	Upper
78	100		
77	23.9	18.6	27.8





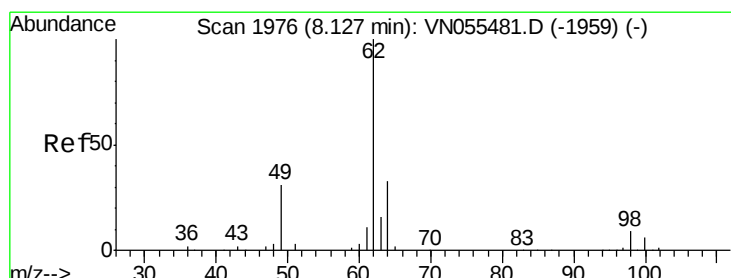
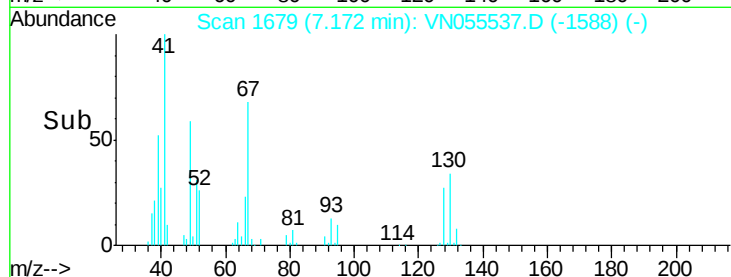
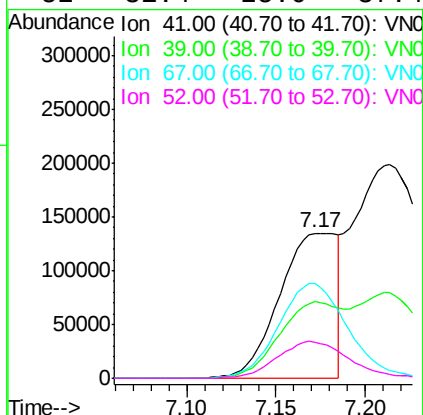
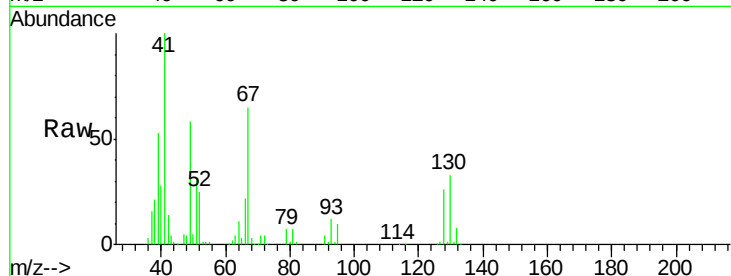
#41
Methacrylonitrile
Concen: 47.686 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
300616	41	100		
	39	60.2	44.7	67.1
	67	79.1	61.4	92.0
	52	31.4	25.0	37.4

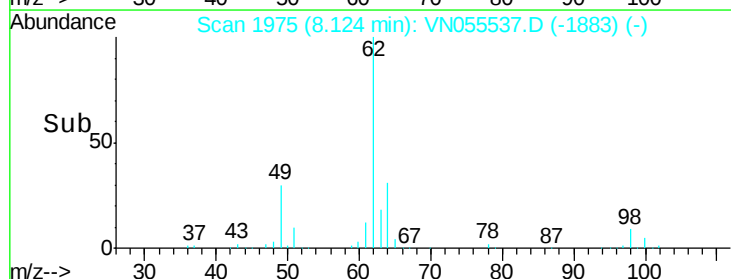
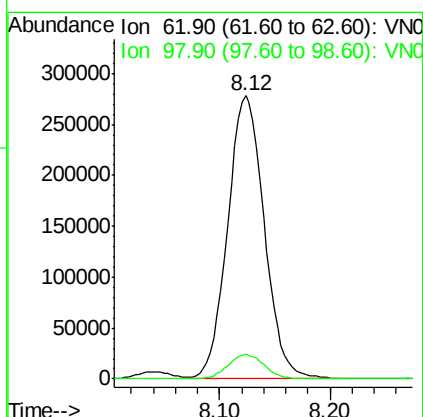
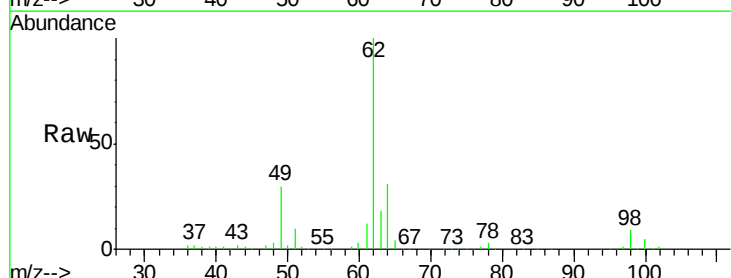
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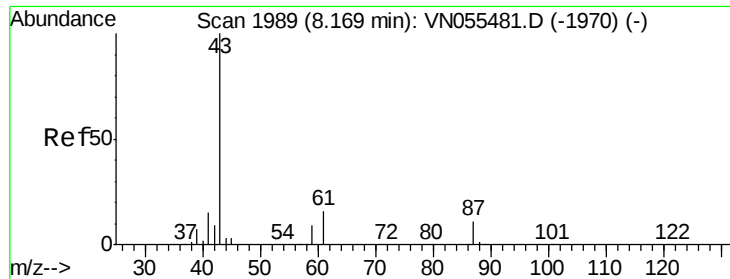
MMDadoda
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#42
1,2-Dichloroethane
Concen: 46.983 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion	Ion	Ratio	Lower	Upper
637868	62	100		
	98	8.6	0.0	17.4





#43

Isopropyl Acetate

Concen: 46.448 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

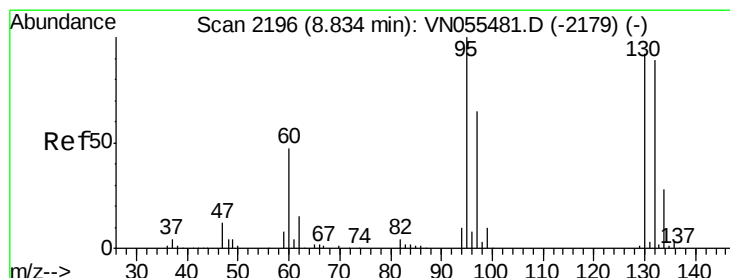
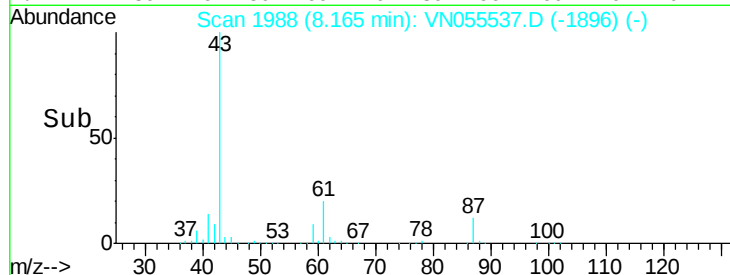
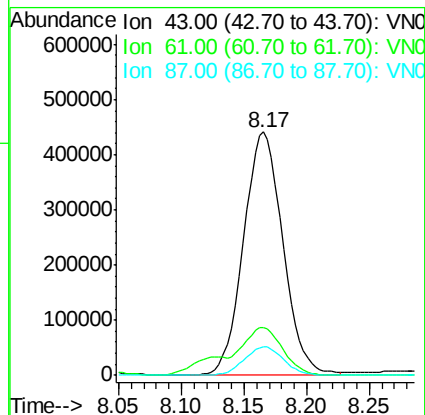
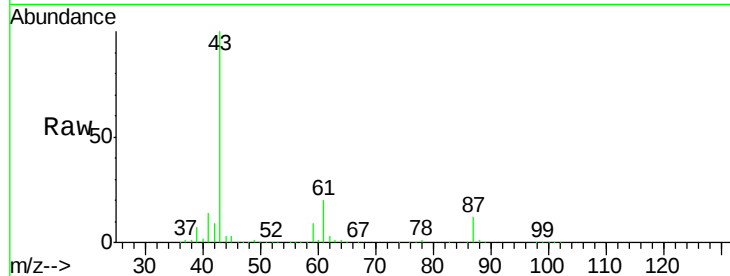
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	958442
Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.1	22.7
87	11.9	9.0	13.6

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#44

Trichloroethene

Concen: 50.155 ug/l

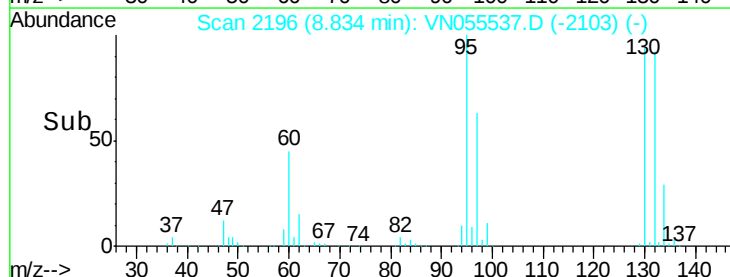
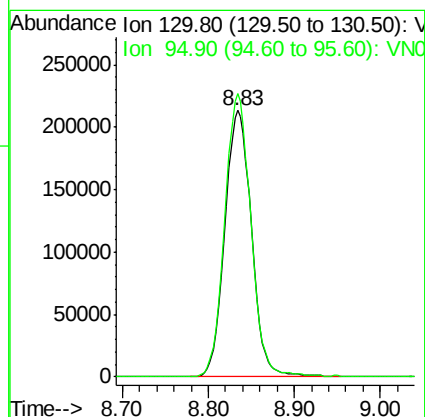
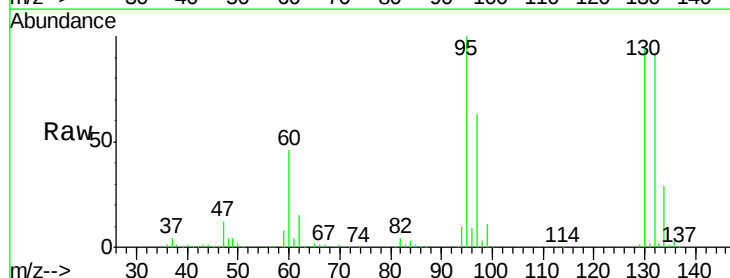
RT: 8.83 min Scan# 2196

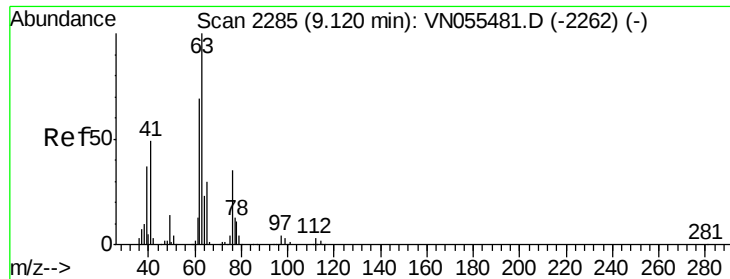
Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Tgt Ion:	130	Resp:	461175
Ion	Ratio	Lower	Upper
130	100		
95	106.3	0.0	216.8





#45

1,2-Dichloropropane

Concen: 48.633 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 537730

Ion Ratio Lower Upper

63 100

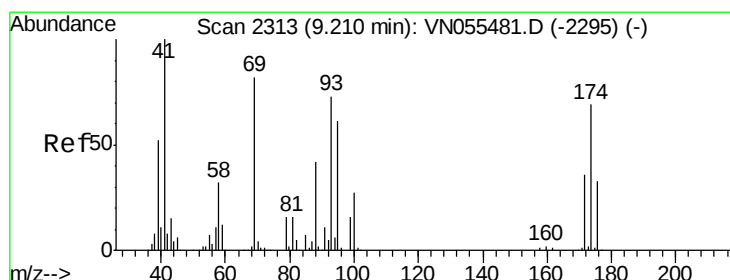
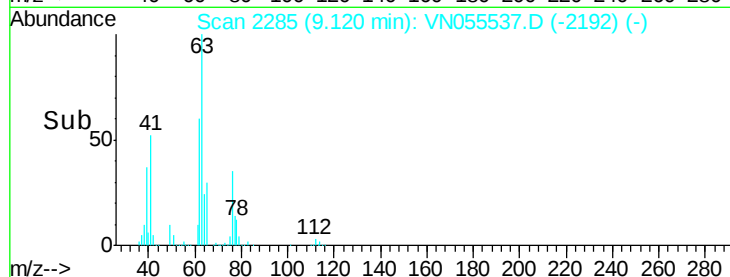
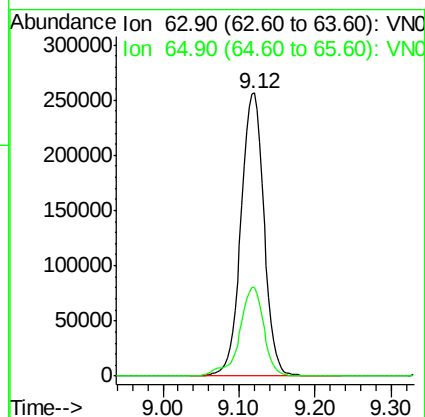
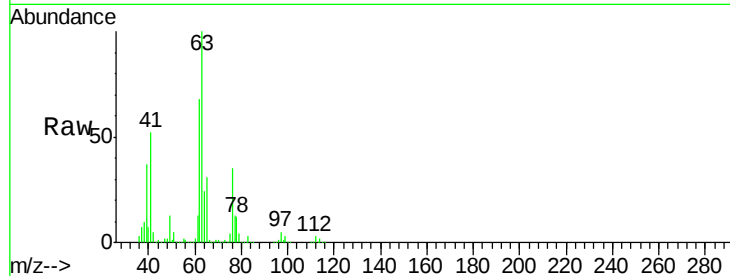
65 31.3 24.1 36.1

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#46

Dibromomethane

Concen: 48.193 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

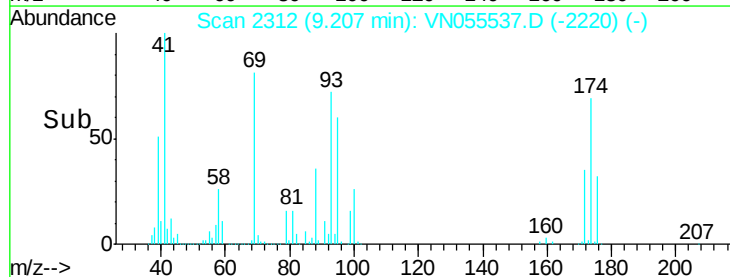
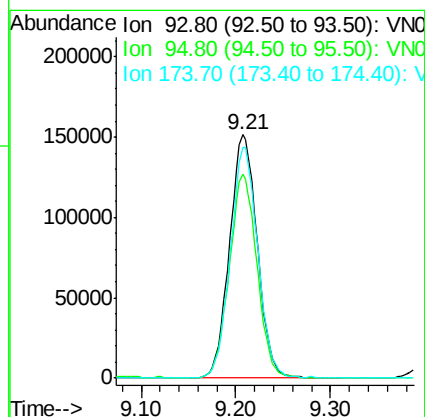
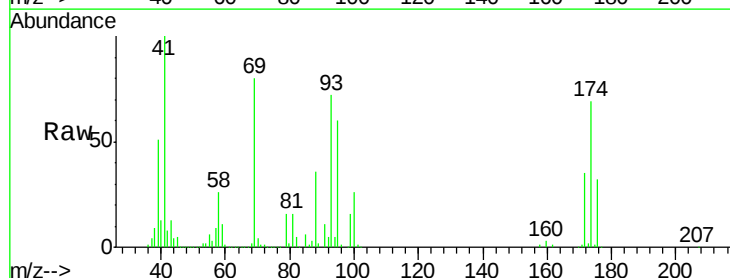
Tgt Ion: 93 Resp: 308869

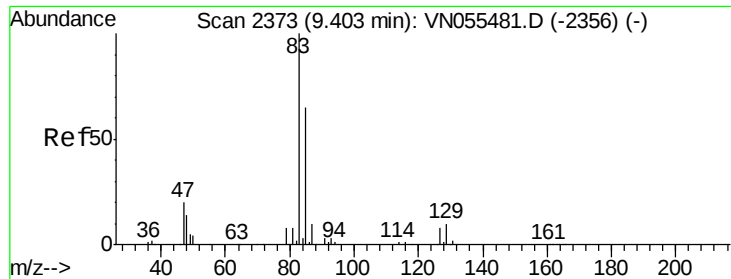
Ion Ratio Lower Upper

93 100

95 82.8 64.8 97.2

174 93.6 75.0 112.6





#47

Bromodichloromethane

Concen: 50.043 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

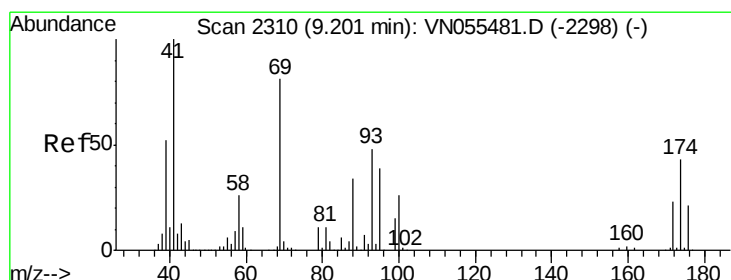
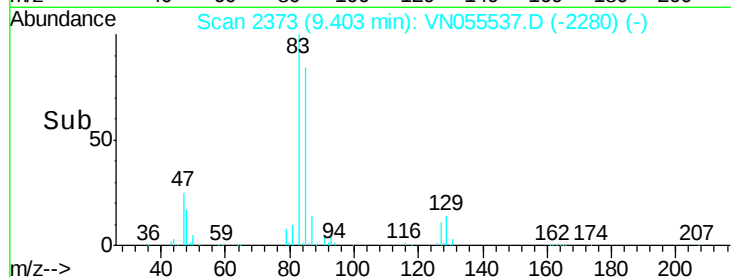
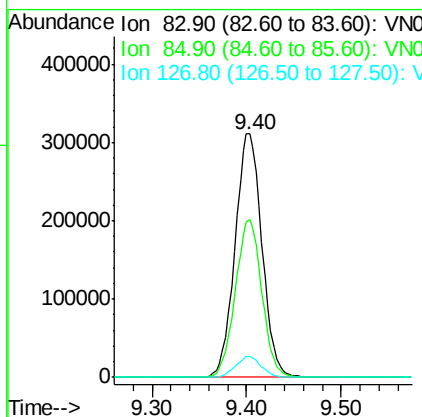
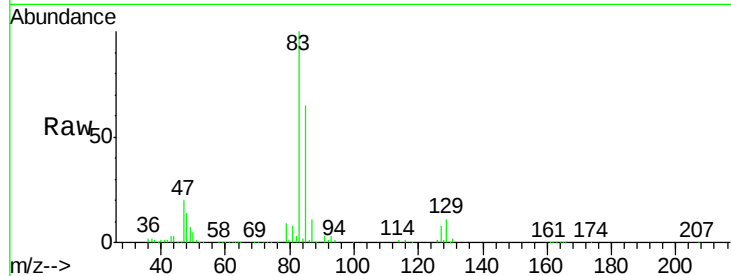
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	613574
Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.2	78.2
127	8.4	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.058 ug/l

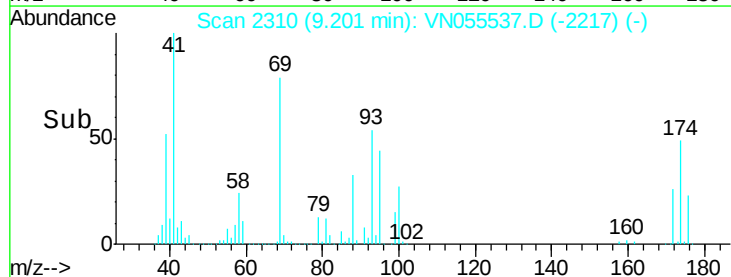
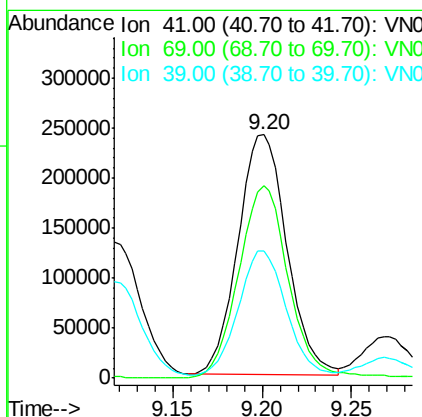
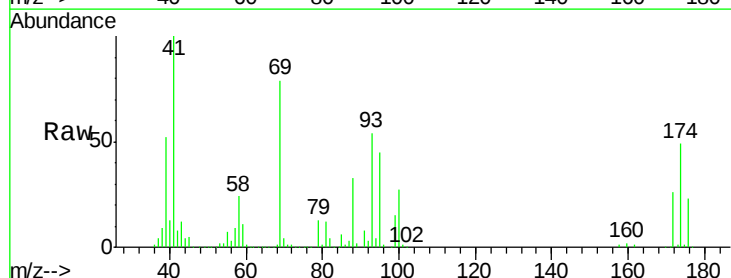
RT: 9.20 min Scan# 2310

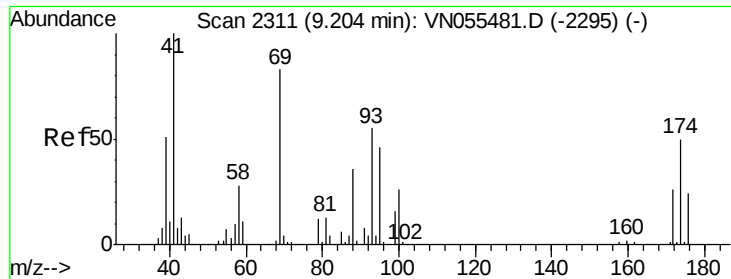
Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Tgt Ion:	41	Resp:	457911
Ion	Ratio	Lower	Upper
41	100		
69	82.0	64.2	96.2
39	52.7	41.6	62.4





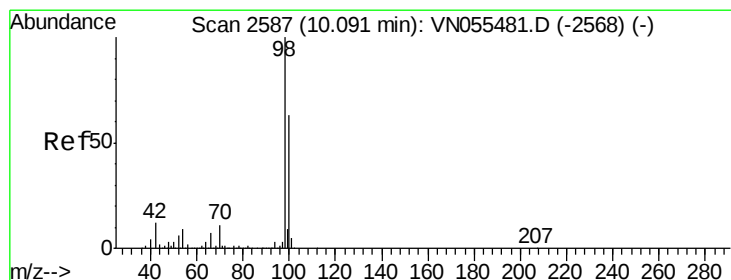
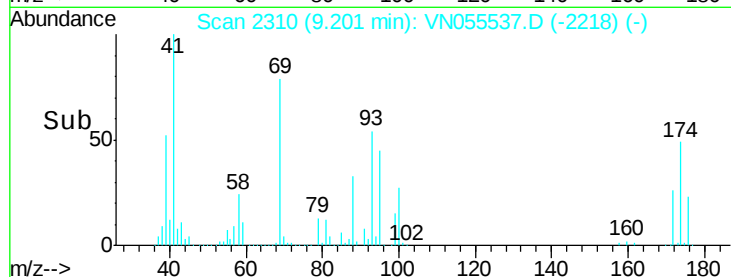
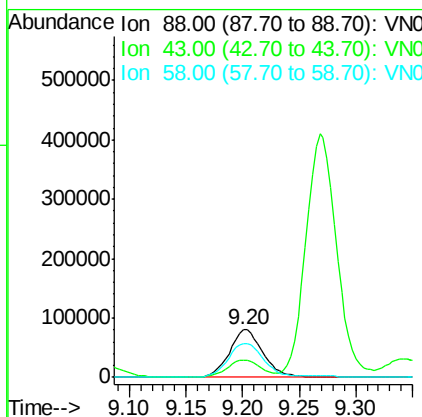
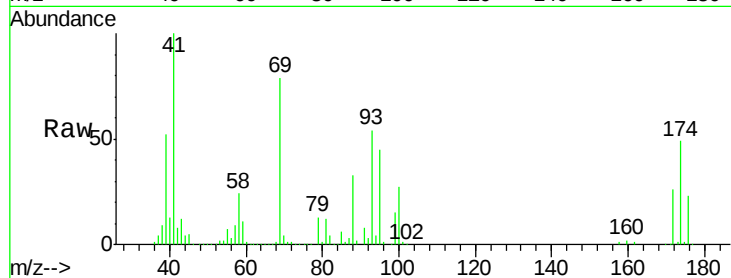
#49
1,4-Dioxane
Concen: 864.793 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.8	27.8	41.8
58	75.6	61.8	92.6

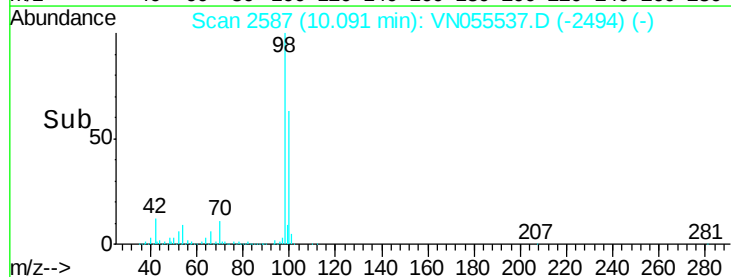
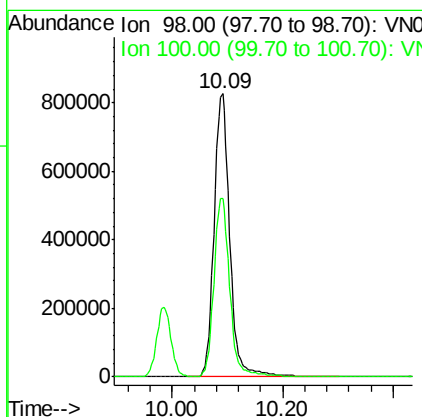
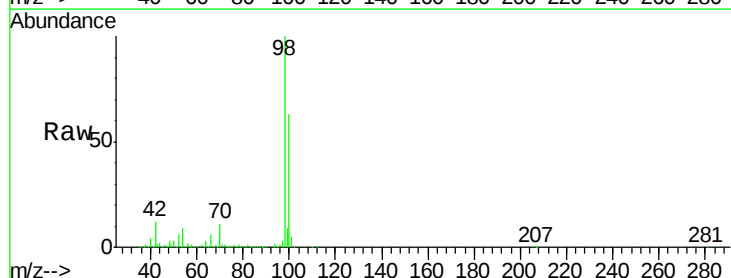
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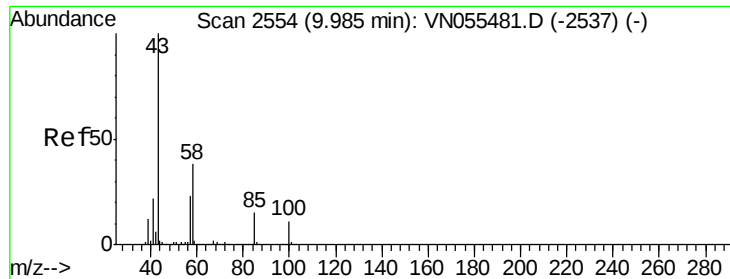
MMDadoda
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#50
Toluene-d8
Concen: 51.239 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 218.639 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2967204

Ion Ratio Lower Upper

43 100

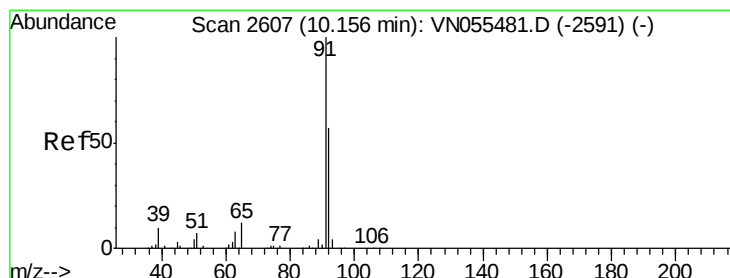
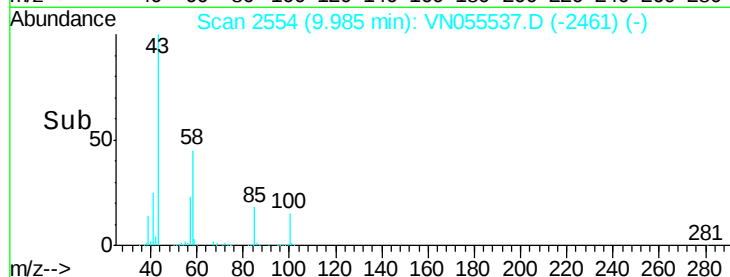
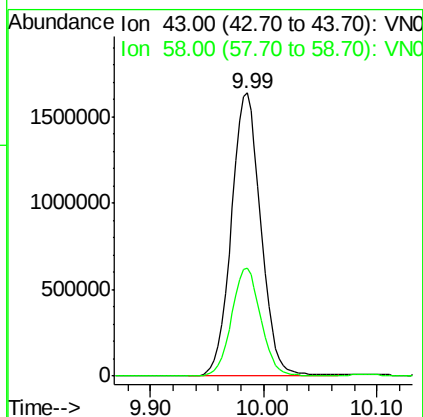
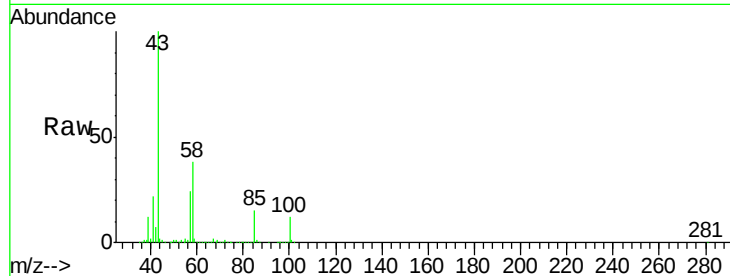
58 38.0 29.9 44.9

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#52

Toluene

Concen: 50.331 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055537.D

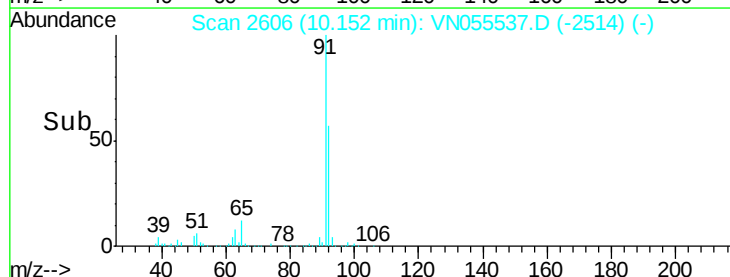
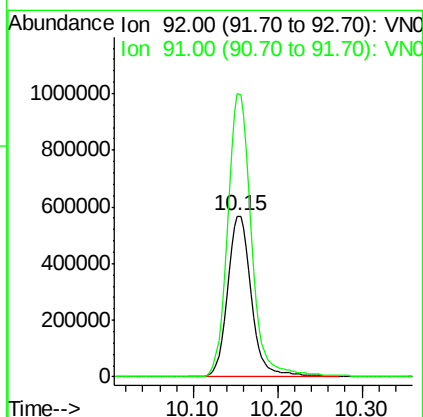
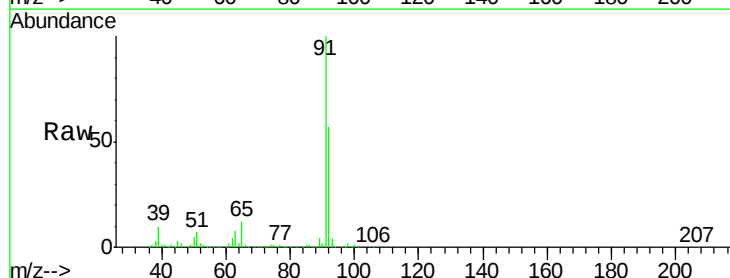
Acq: 10 May 2019 8:53

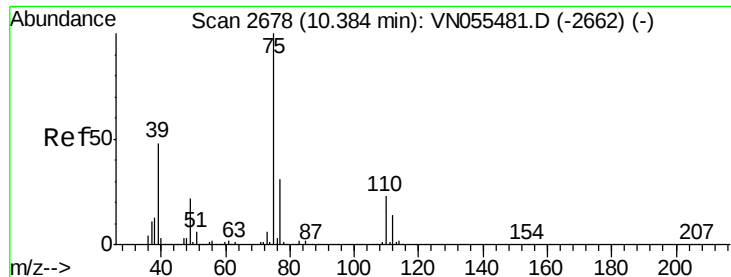
Tgt Ion: 92 Resp: 1111927

Ion Ratio Lower Upper

92 100

91 177.0 140.5 210.7





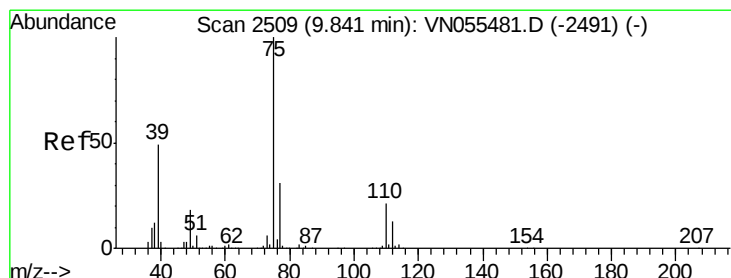
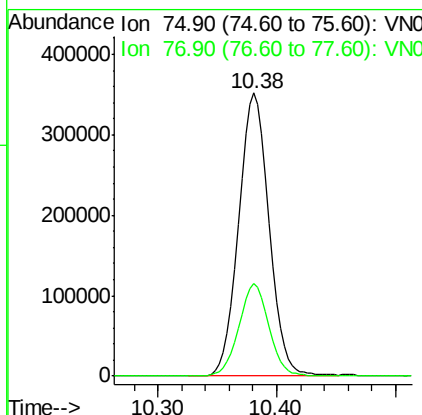
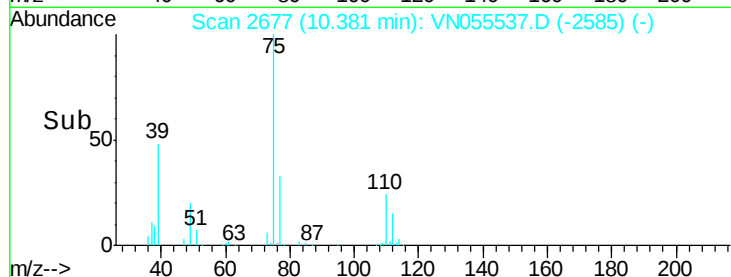
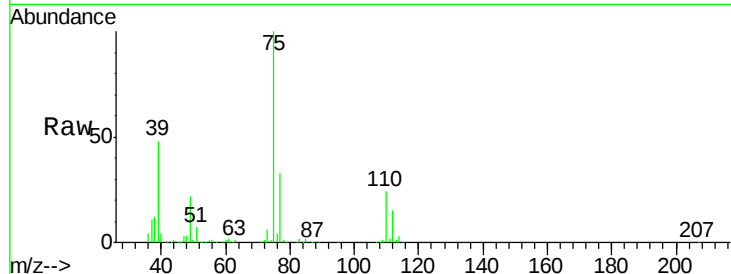
#53
 t-1,3-Dichloropropene
 Concen: 52.918 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 623150
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.1 37.7

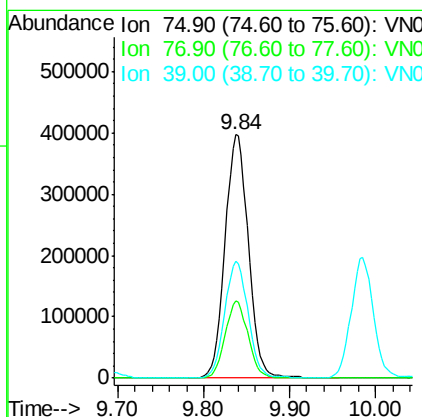
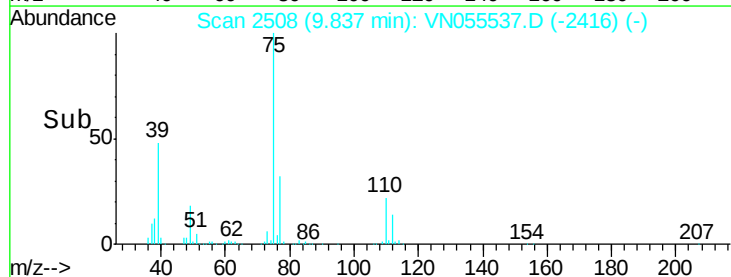
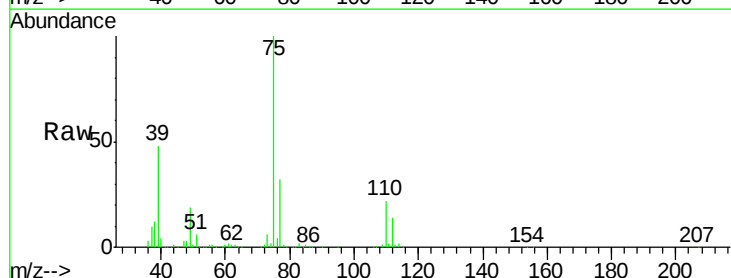
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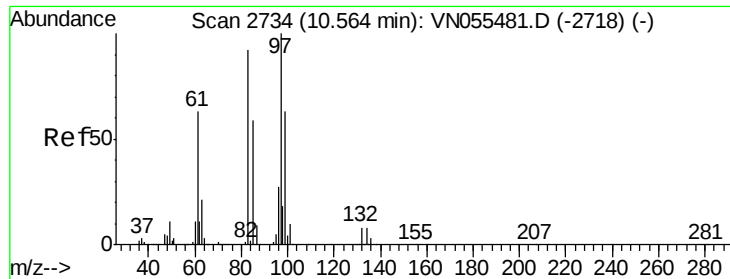
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#54
 cis-1,3-Dichloropropene
 Concen: 53.320 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Tgt Ion: 75 Resp: 750276
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.4 36.6
 39 48.0 39.5 59.3





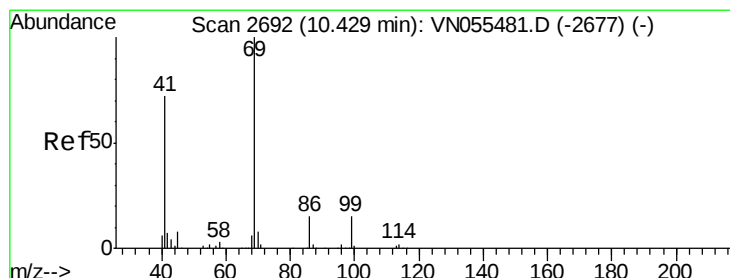
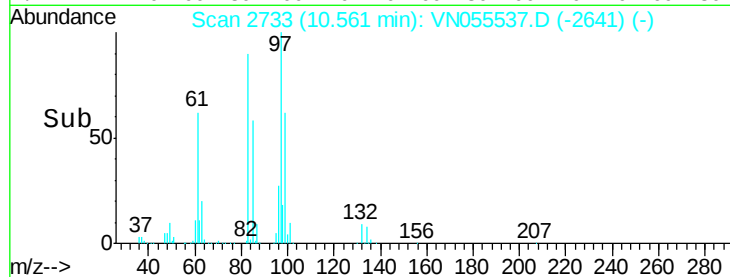
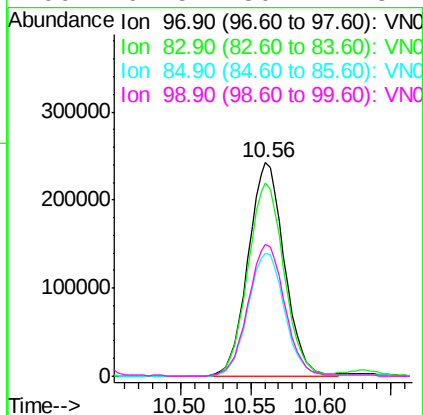
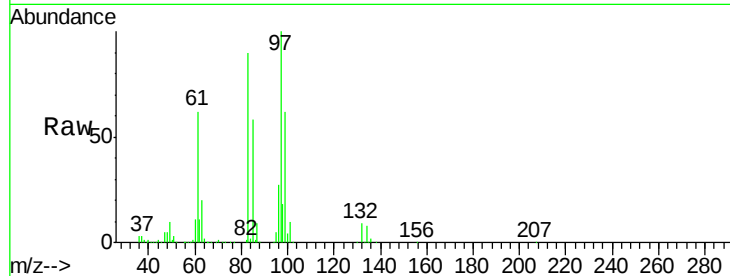
#55
 1,1,2-Trichloroethane
 Concen: 48.690 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	435829
Ion	Ratio	Lower	Upper
97	100		
83	90.2	73.2	109.8
85	57.8	47.5	71.3
99	61.5	50.2	75.2

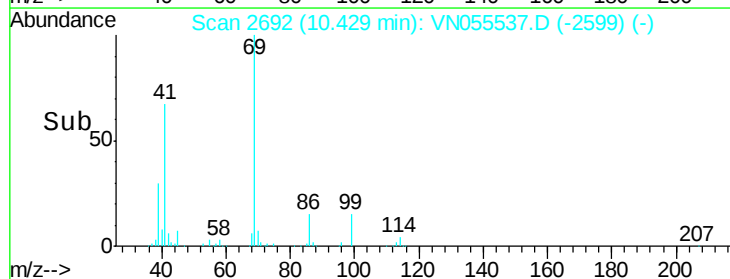
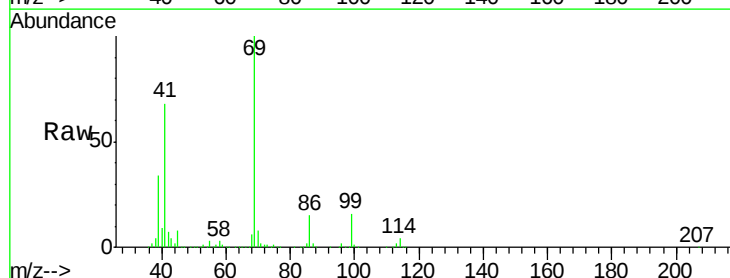
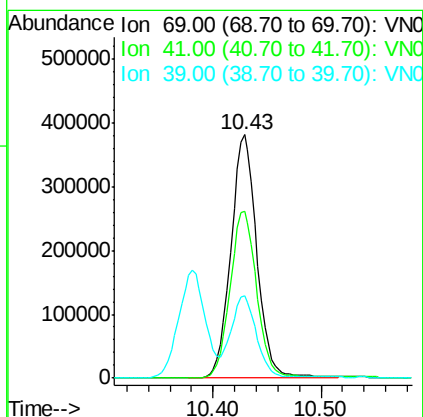
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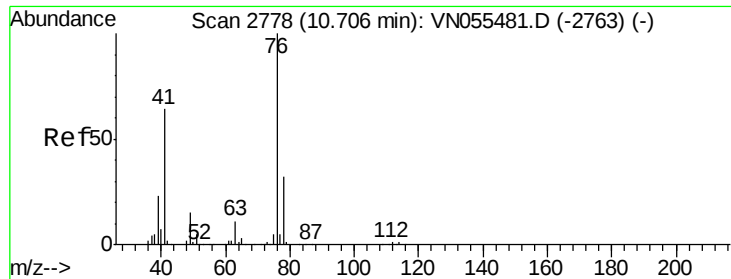
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#56
 Ethyl methacrylate
 Concen: 48.396 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Tgt Ion:	69	Resp:	644352
Ion	Ratio	Lower	Upper
69	100		
41	69.1	56.2	84.2
39	32.7	27.8	41.6





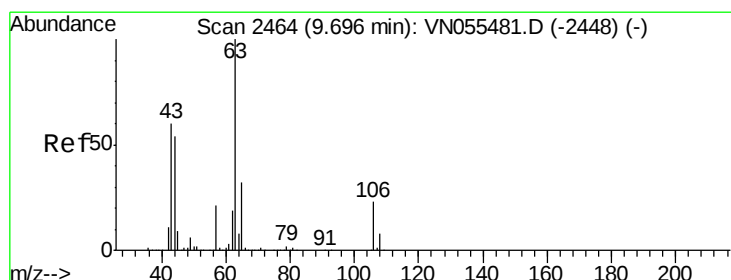
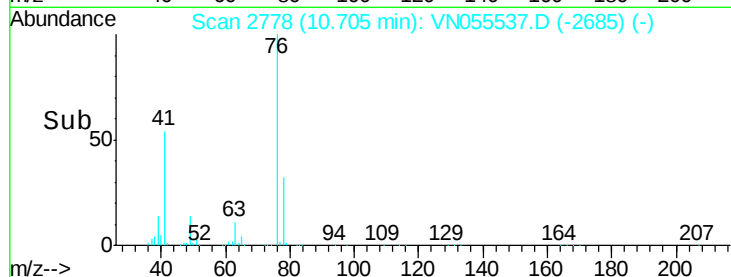
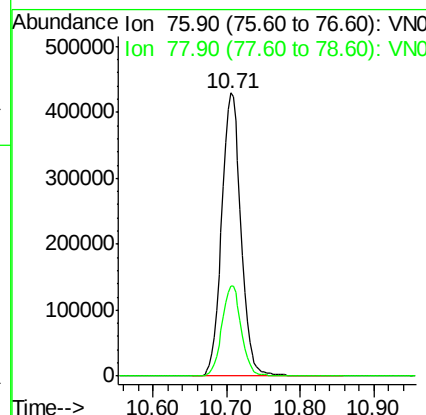
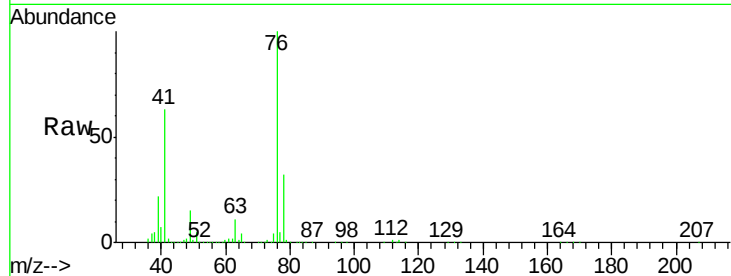
#57
 1,3-Dichloropropane
 Concen: 49.095 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.6

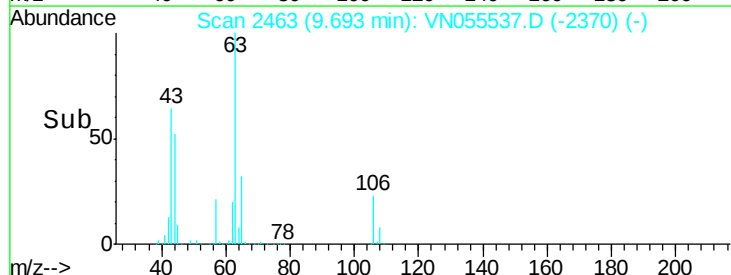
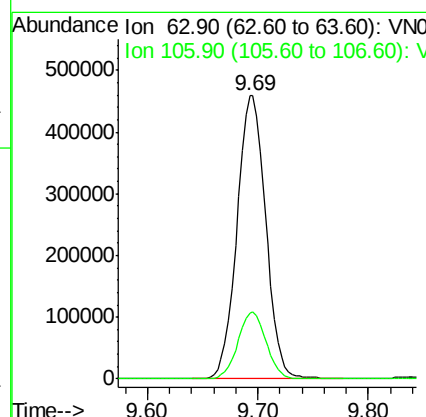
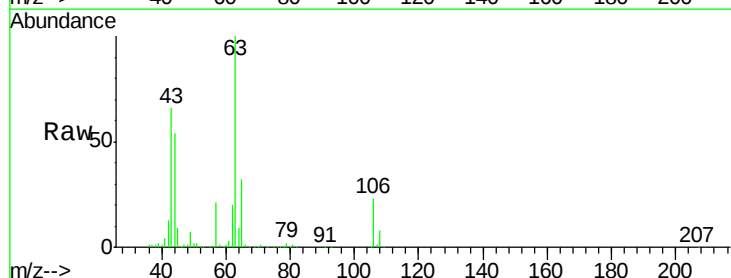
Manual Integrations
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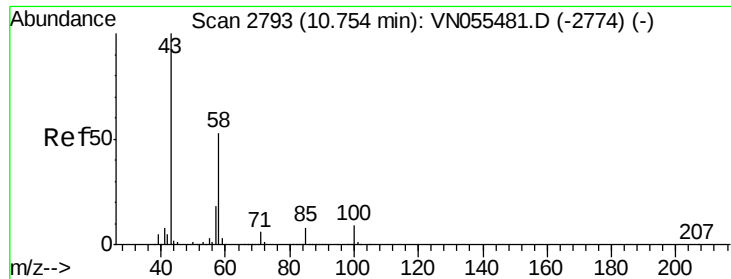
MMDadoda
 5/11/2019 1:16:19 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 188.375 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.2	18.6	27.8





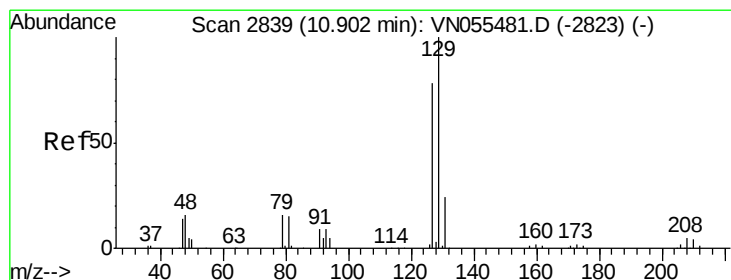
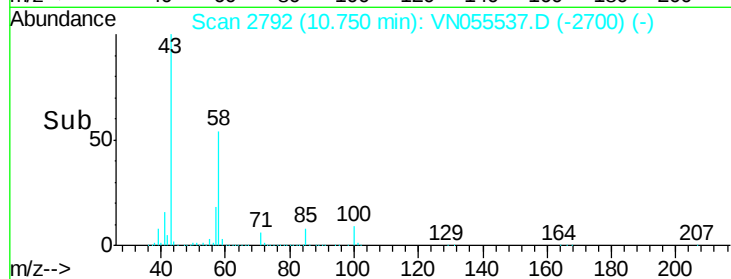
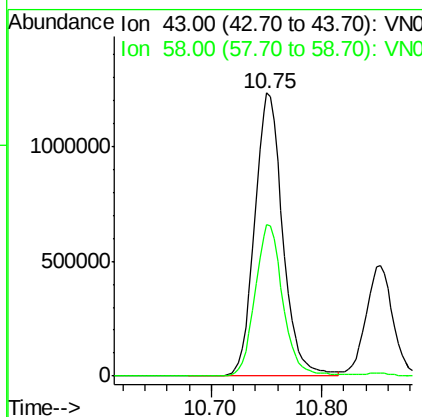
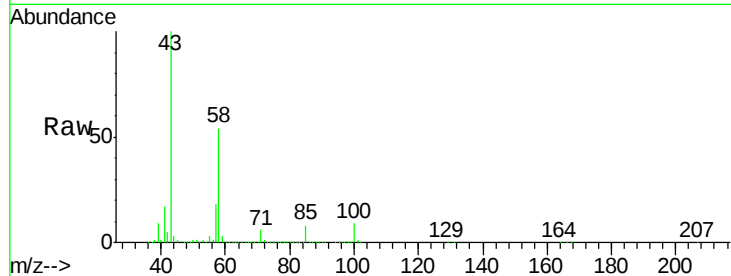
#59
2-Hexanone
Concen: 227.260 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2162958
Ion Ratio Lower Upper
43 100
58 53.3 26.4 79.0

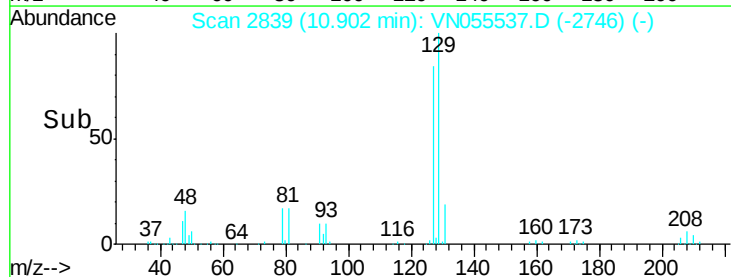
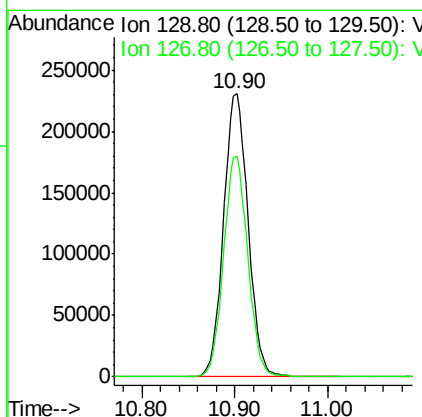
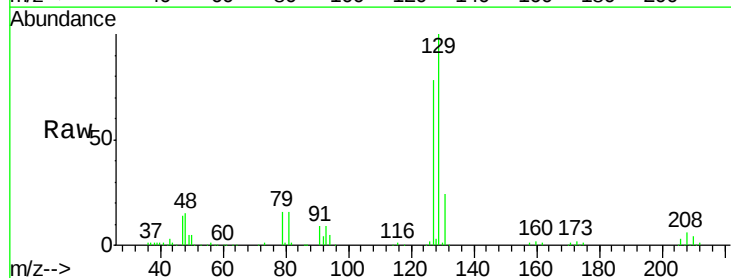
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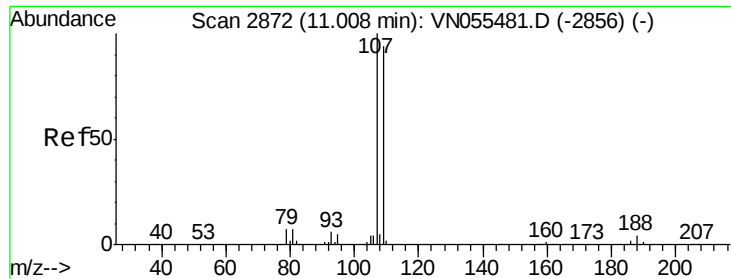
MMDadoda
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#60
Dibromochloromethane
Concen: 51.961 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion: 129 Resp: 422879
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0





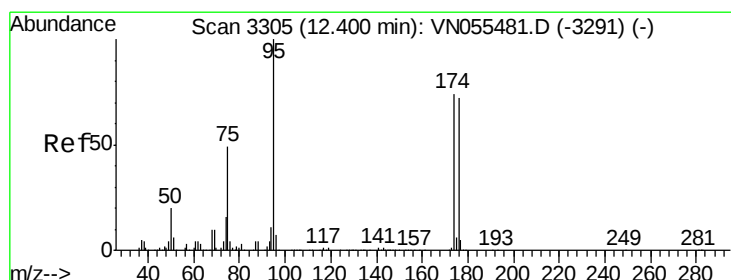
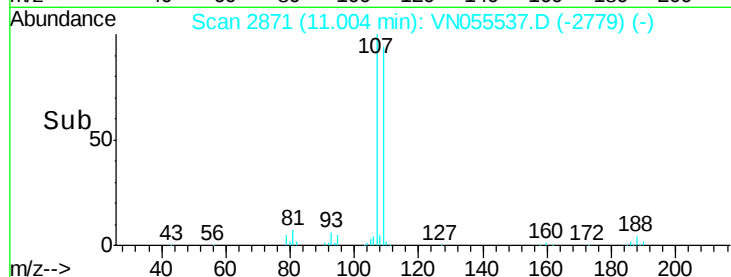
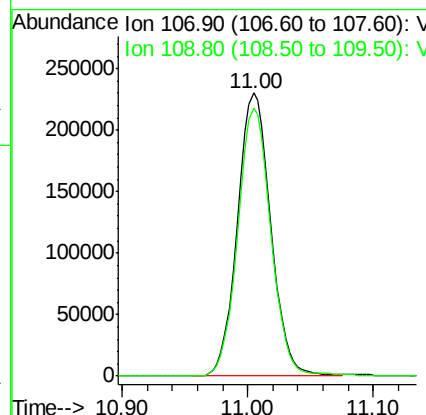
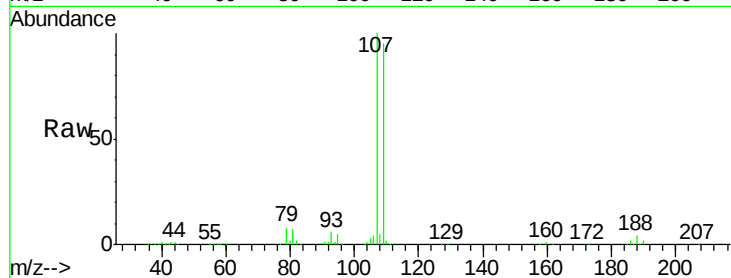
#61
 1,2-Dibromoethane
 Concen: 49.429 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.2	111.4

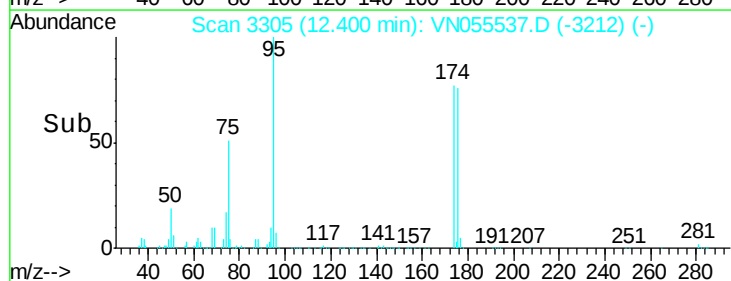
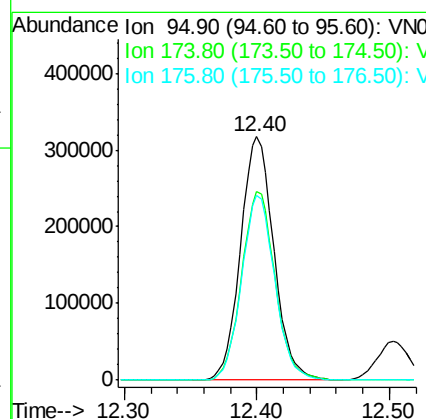
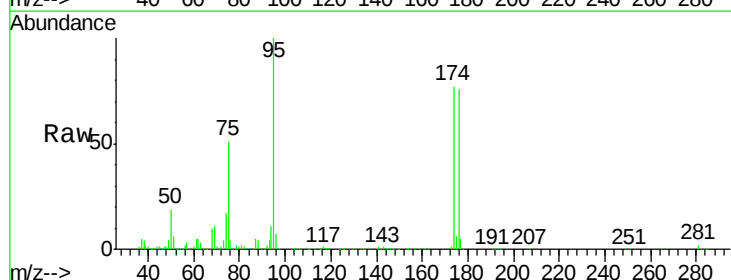
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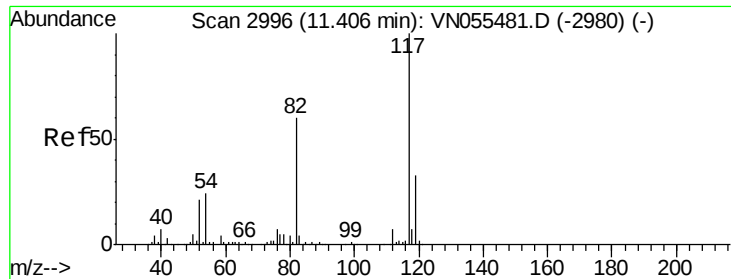
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#62
 4-Bromofluorobenzene
 Concen: 51.581 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.8	0.0	152.2
176	75.8	0.0	147.8





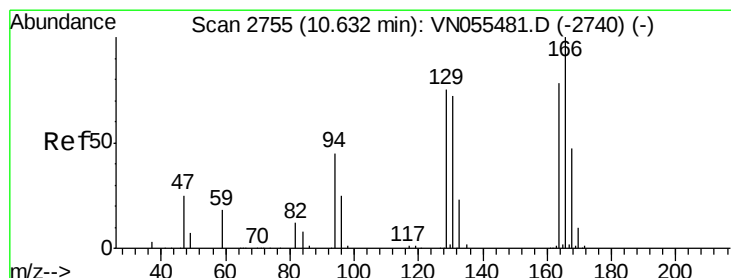
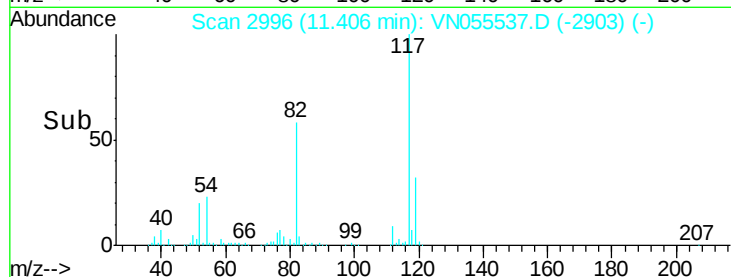
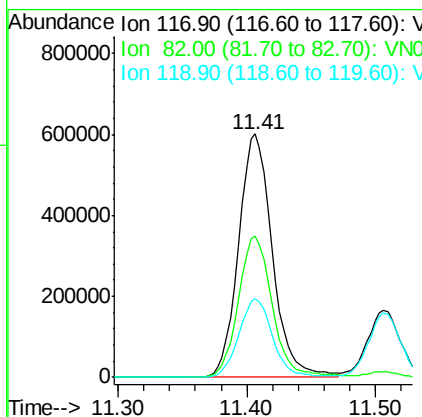
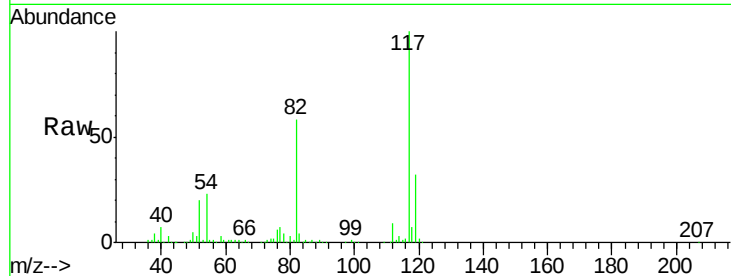
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1098912
Ion Ratio Lower Upper
117 100
82 58.0 48.0 72.0
119 32.4 26.0 39.0

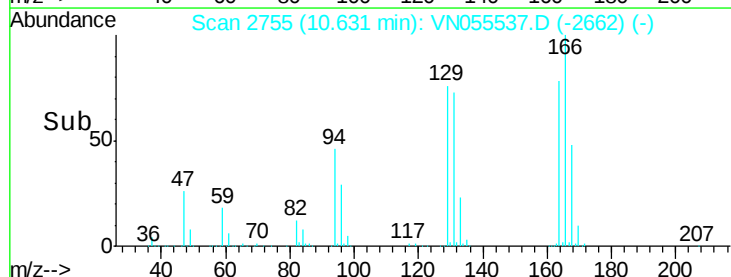
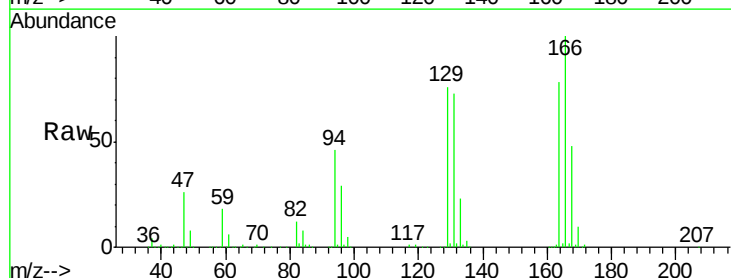
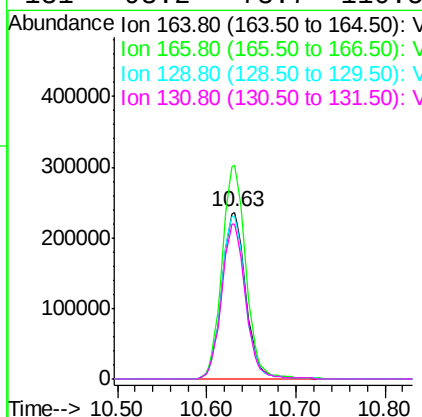
Manual Integrations
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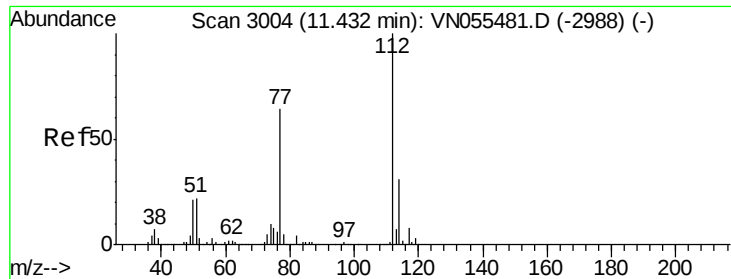
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#64
Tetrachloroethene
Concen: 48.635 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion:164 Resp: 437932
Ion Ratio Lower Upper
164 100
166 128.1 102.6 153.8
129 97.6 77.0 115.6
131 93.2 73.7 110.5





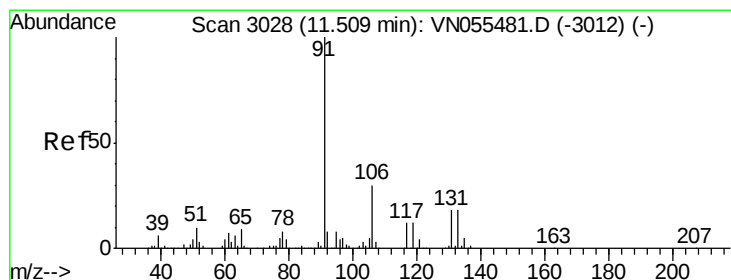
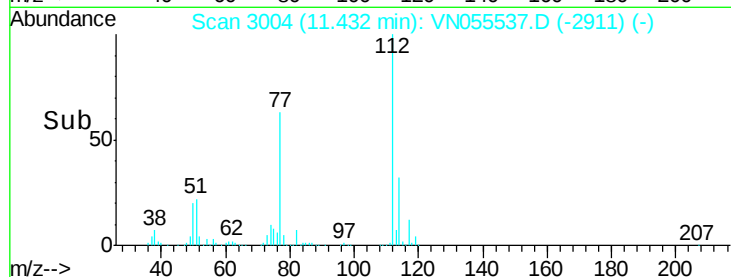
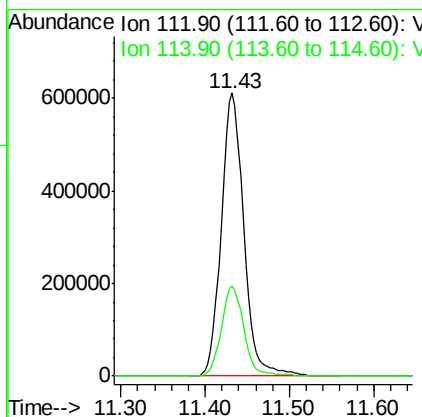
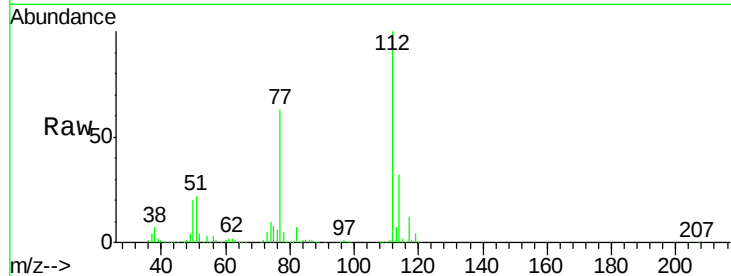
#65
Chlorobenzene
Concen: 50.195 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1134841
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.4

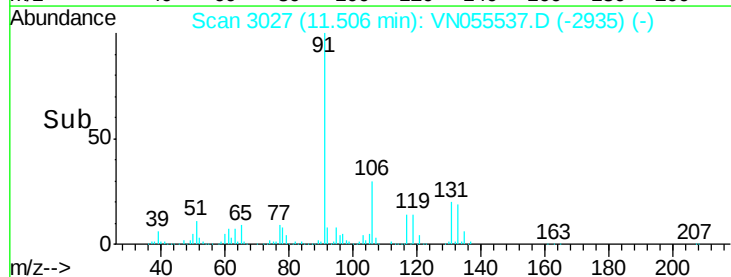
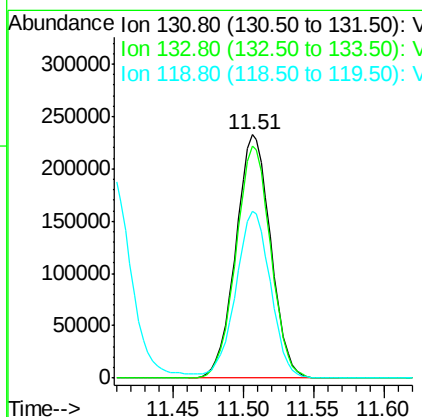
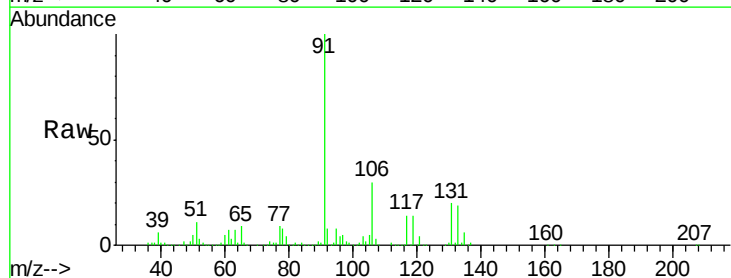
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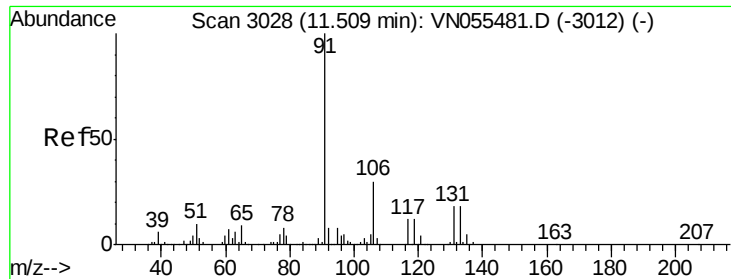
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.825 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion:131 Resp: 403373
Ion Ratio Lower Upper
131 100
133 95.0 47.4 142.2
119 68.4 34.1 102.2





#67

Ethyl Benzene

Concen: 49.945 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2120775

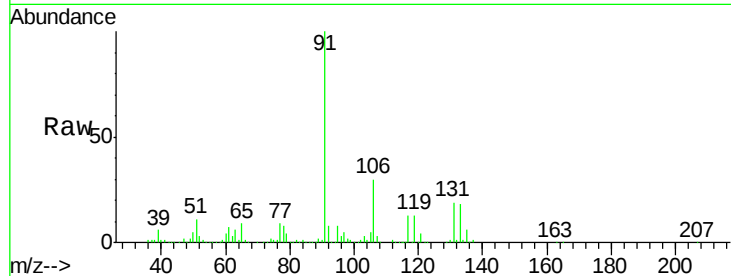
Ion Ratio Lower Upper

91 100

106 30.1 23.8 35.6

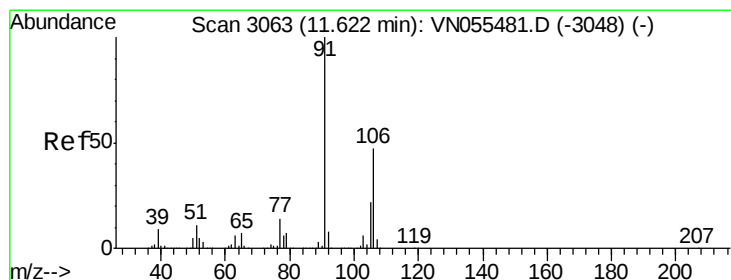
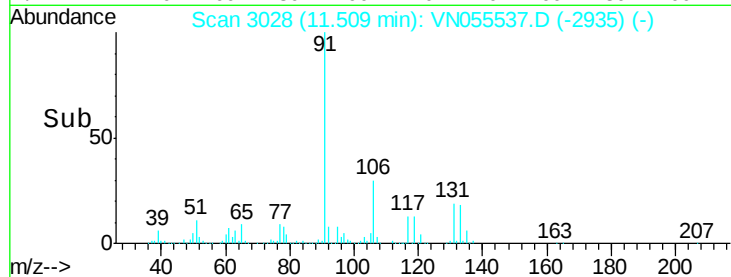
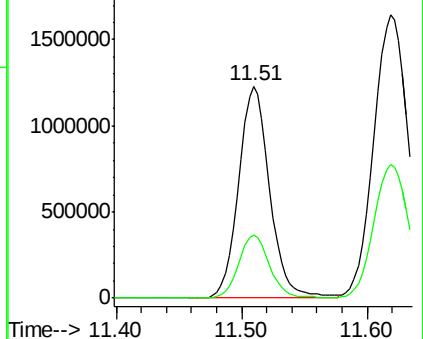
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN055537.D (-2935) (-)

Ion 106.00 (105.70 to 106.70): VN055537.D (-2935) (-)



#68

m/p-Xylenes

Concen: 102.209 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN055537.D

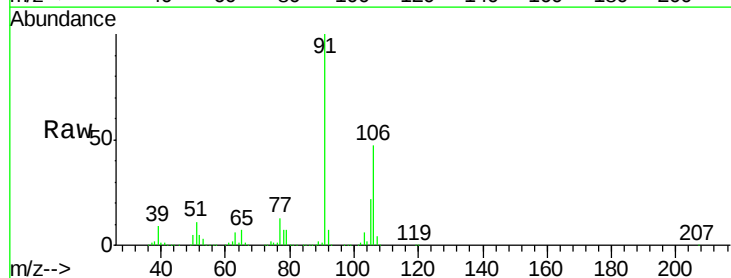
Acq: 10 May 2019 8:53

Tgt Ion: 106 Resp: 1557505

Ion Ratio Lower Upper

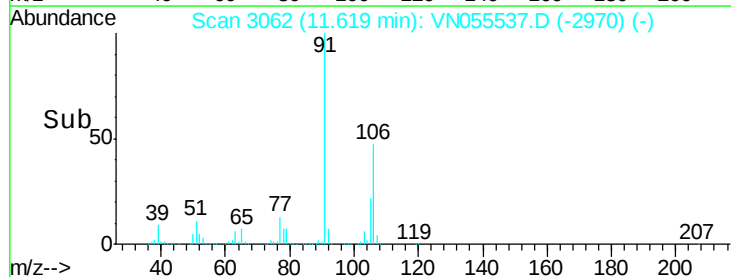
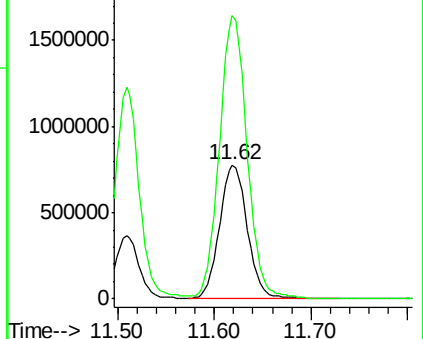
106 100

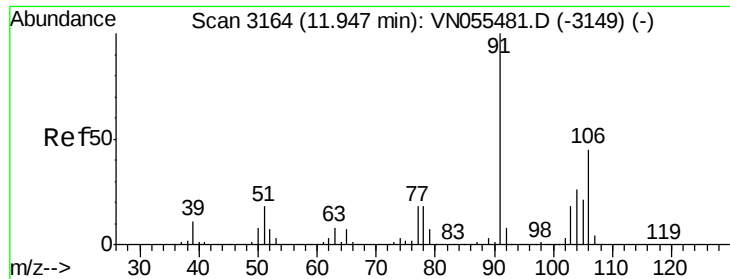
91 210.1 169.2 253.8



Abundance Ion 106.00 (105.70 to 106.70): VN055537.D (-2970) (-)

Ion 91.00 (90.70 to 91.70): VN055537.D (-2970) (-)





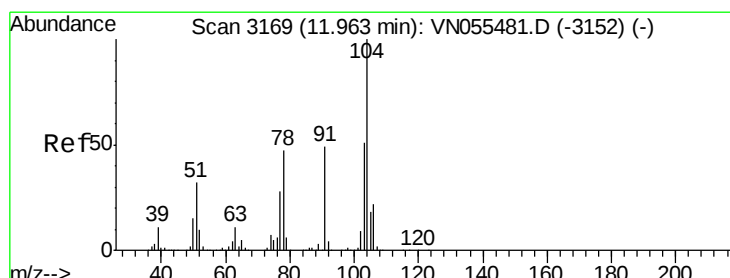
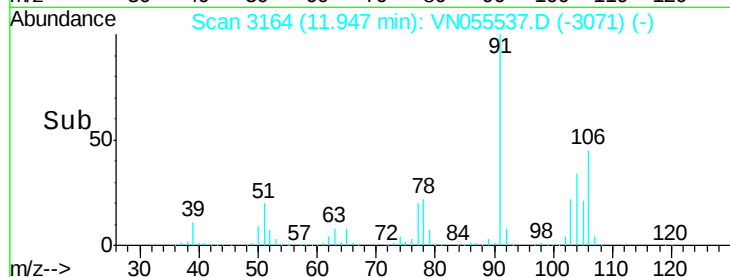
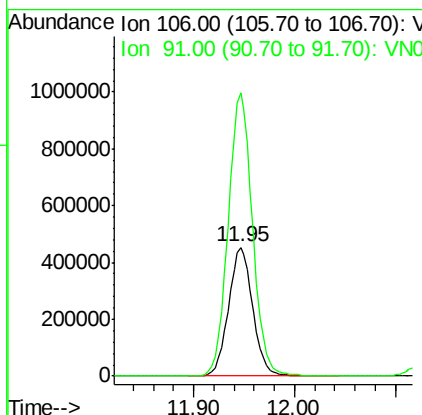
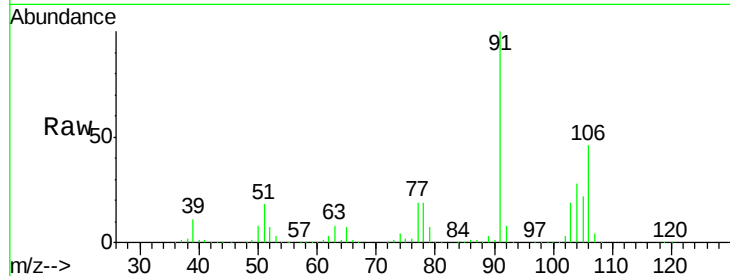
#69
o-Xylene
Concen: 50.629 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 758303
Ion Ratio Lower Upper
106 100
91 221.1 111.3 333.8

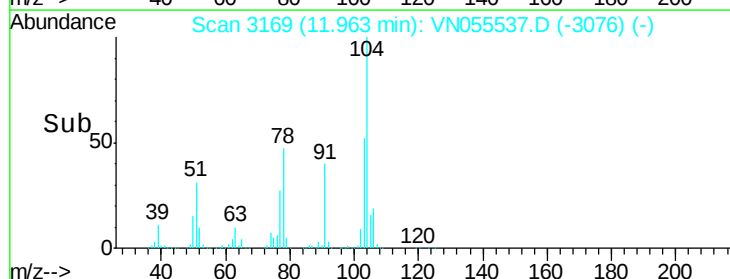
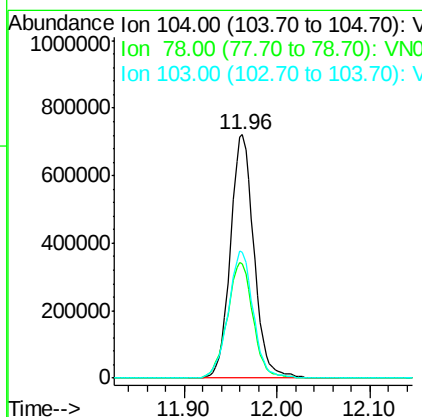
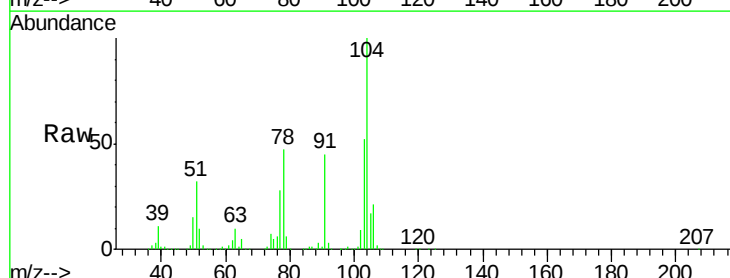
Manual Integrations
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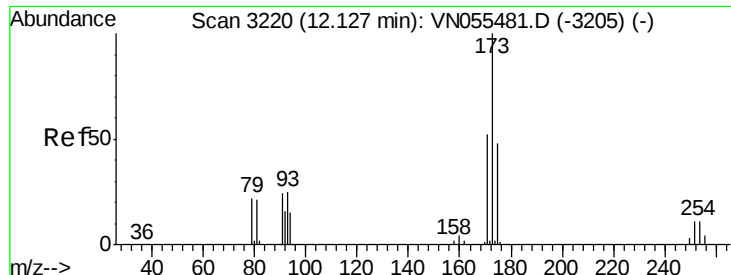
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#70
Styrene
Concen: 52.820 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion:104 Resp: 1267449
Ion Ratio Lower Upper
104 100
78 52.2 41.6 62.4
103 55.6 44.4 66.6





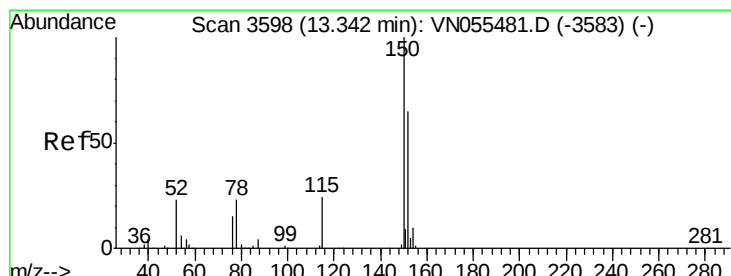
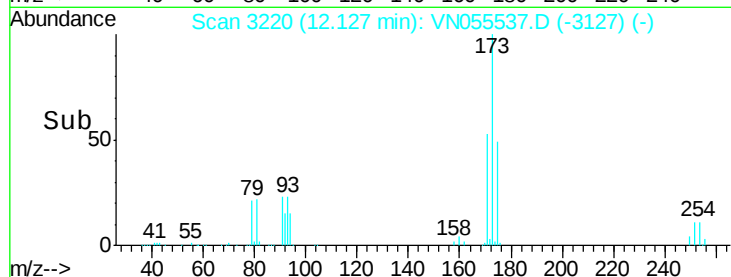
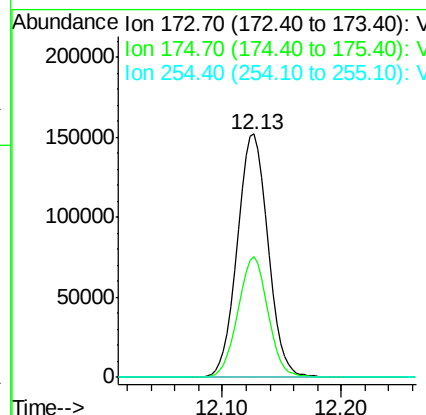
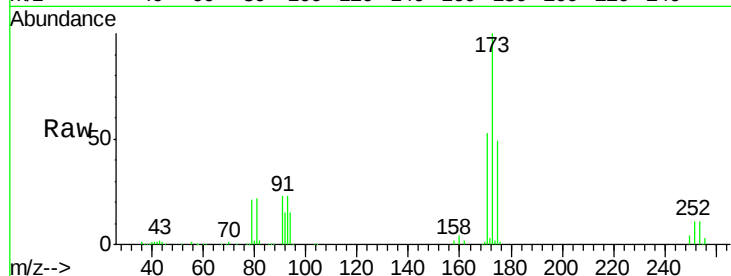
#71
Bromoform
Concen: 51.824 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.4
254	0.2	0.1	0.1#

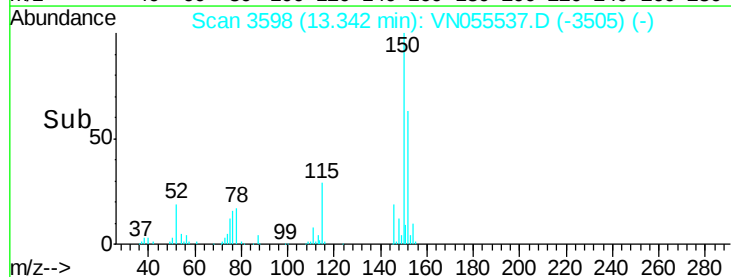
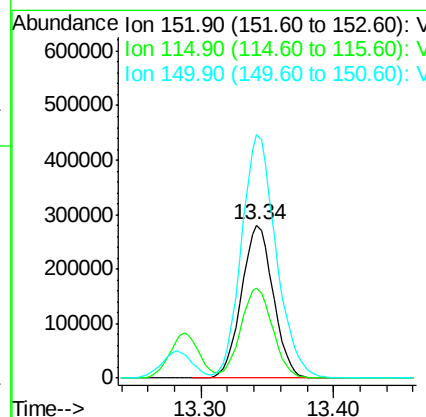
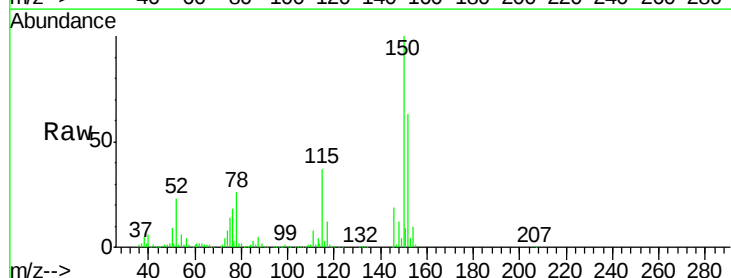
Manual Integrations
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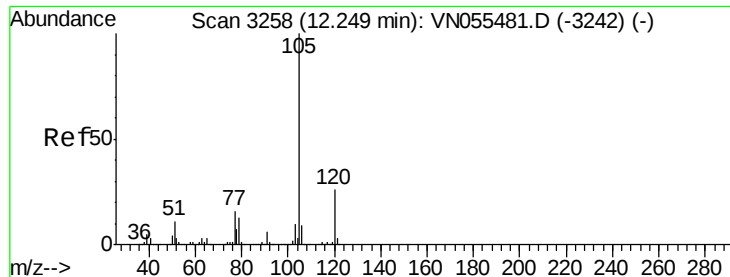
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	30.1	90.5
150	174.0	0.0	355.0





#73

Isopropylbenzene

Concen: 52.696 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2018693

Ion Ratio Lower Upper

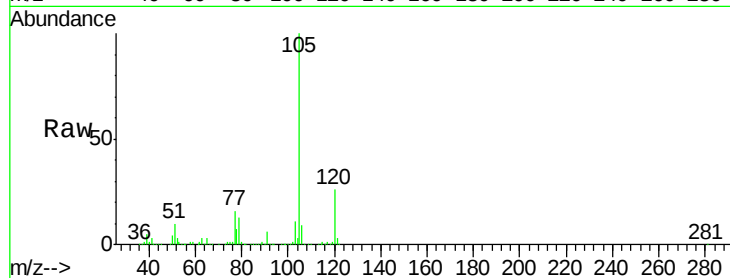
105 100

120 25.9 13.0 39.0

Manual Integrations
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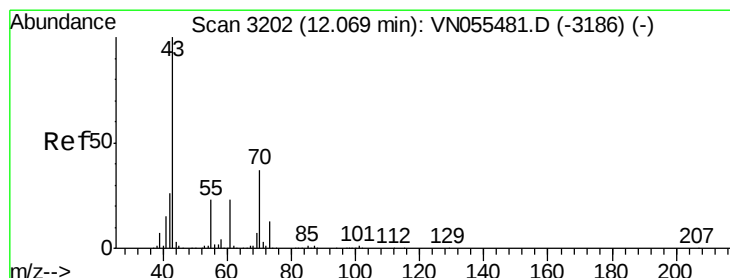
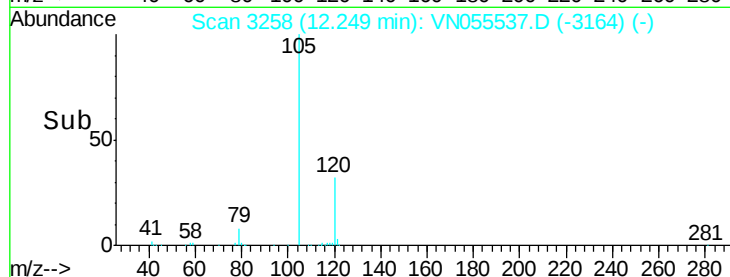
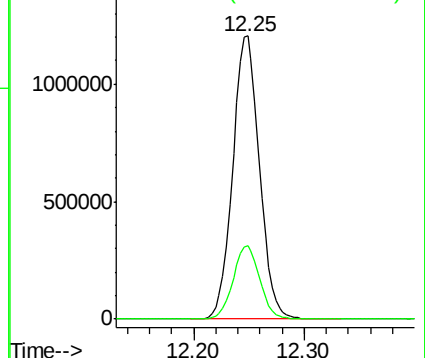
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.883 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Tgt Ion: 43 Resp: 776019

Ion Ratio Lower Upper

43 100

70 39.3 30.7 46.1

55 25.0 19.3 28.9

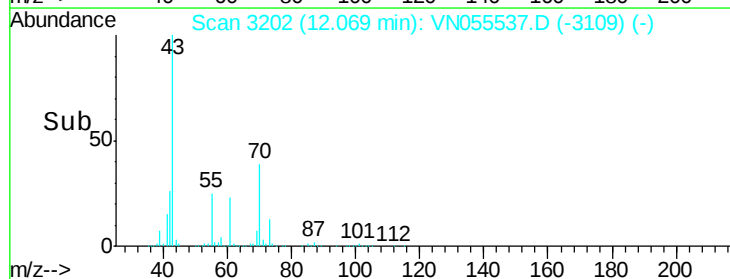
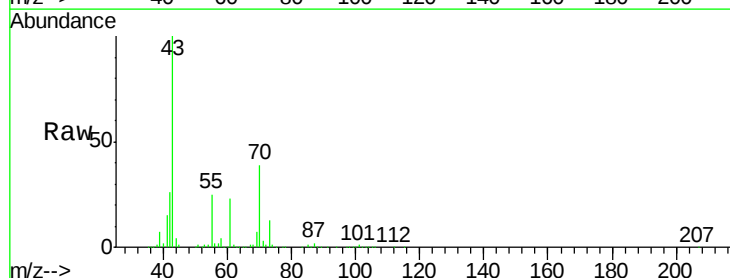
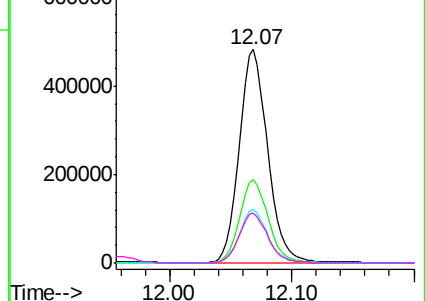
61 23.6 18.6 27.8

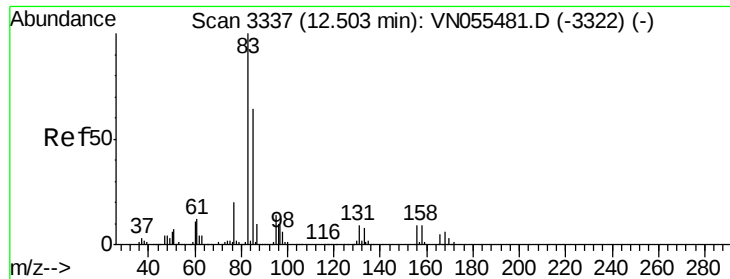
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.405 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

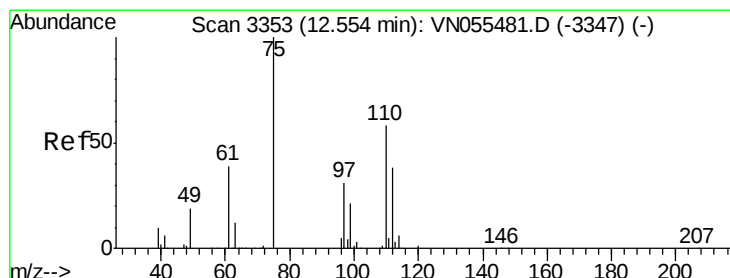
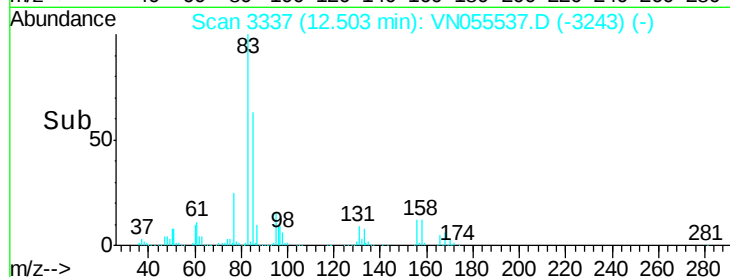
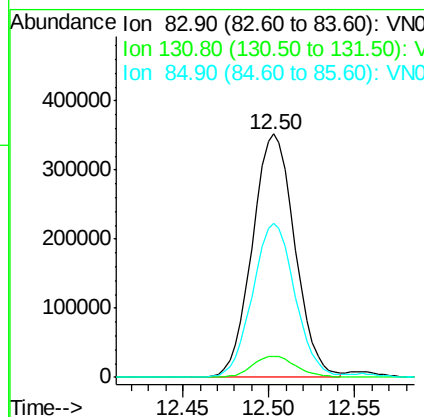
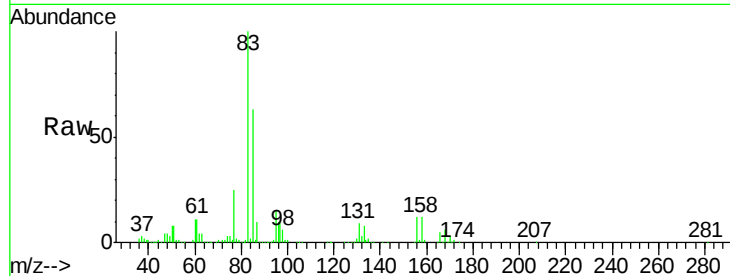
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	605444
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.5	13.5
85	63.1	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 41.439 ug/l m

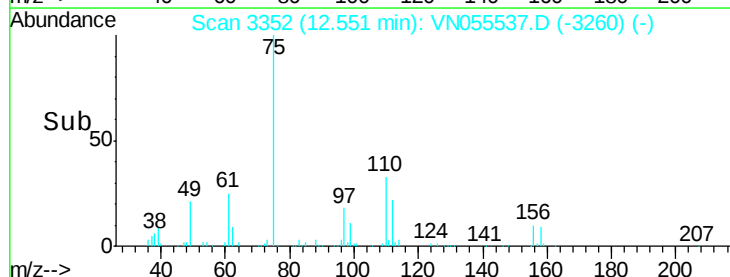
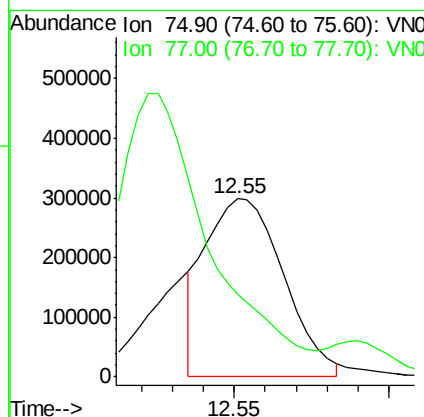
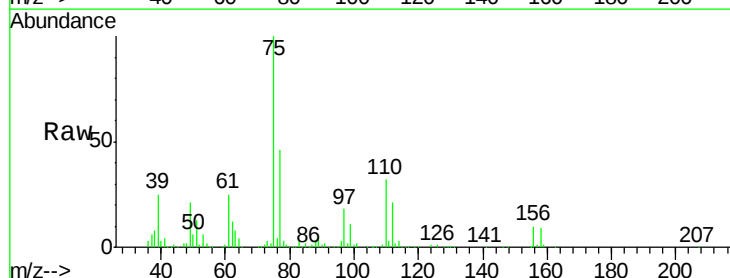
RT: 12.55 min Scan# 3352

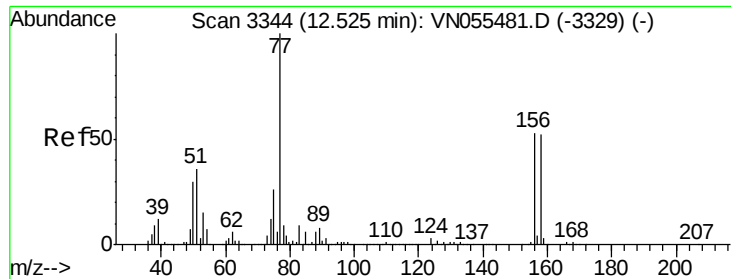
Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Tgt Ion:	75	Resp:	525461
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.407 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

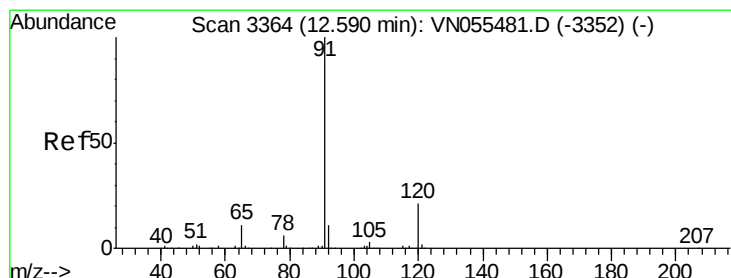
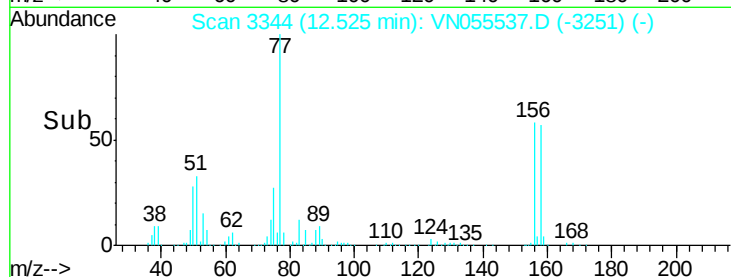
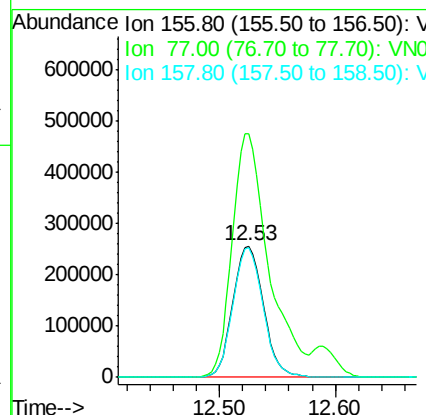
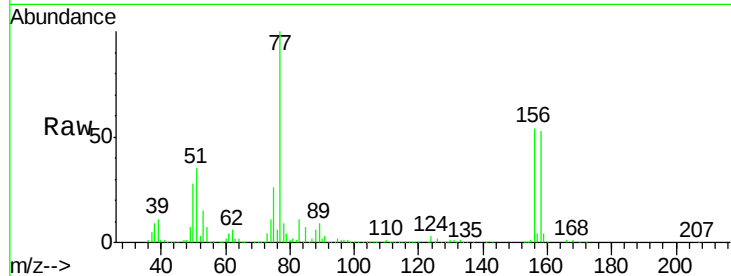
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	221.2	115.4	346.2	
158	97.5	48.7	146.1	

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#78

n-propylbenzene

Concen: 46.546 ug/l

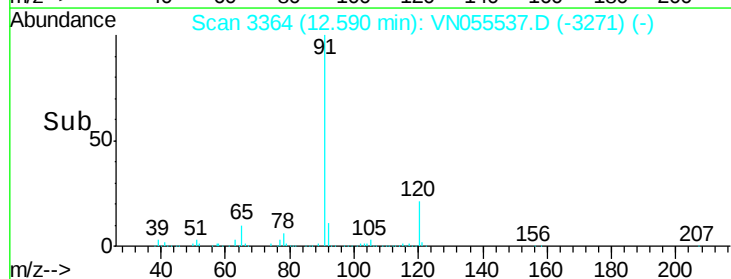
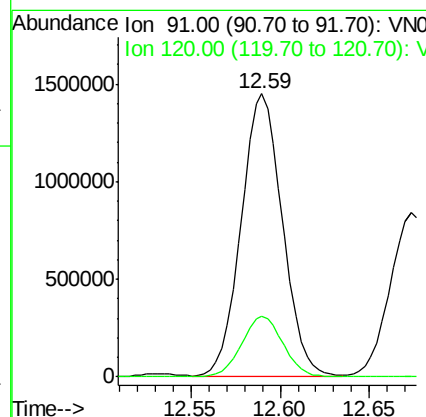
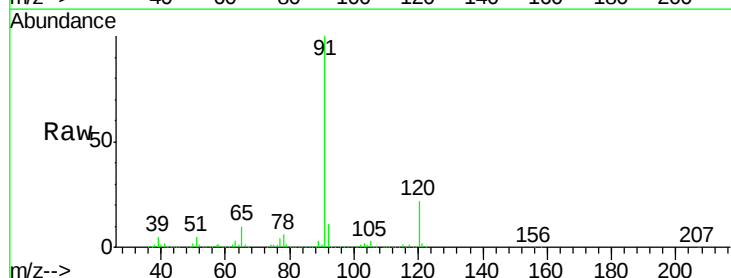
RT: 12.59 min Scan# 3364

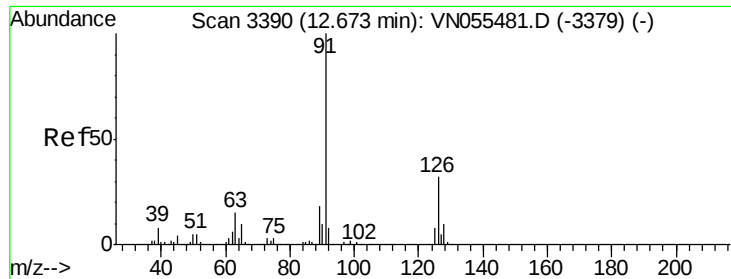
Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.7	10.8	32.3	





#79

2-Chlorotoluene

Concen: 44.798 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1394763

Ion Ratio Lower Upper

91 100

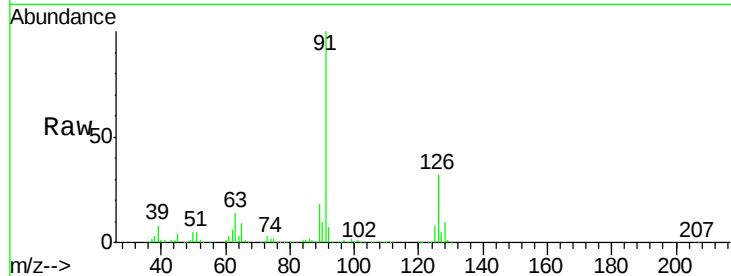
126 32.8 16.0 47.9

Manual Integrations

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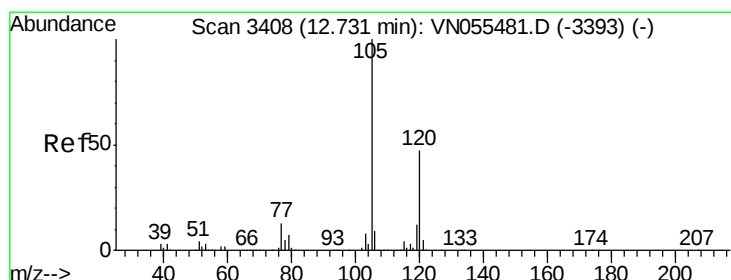
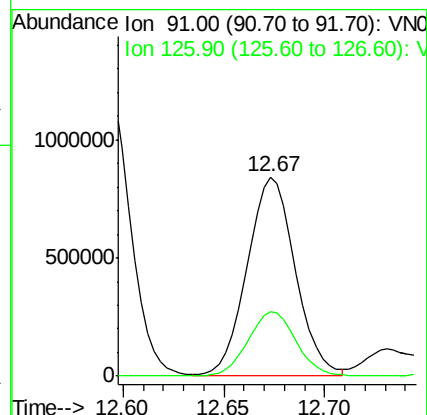
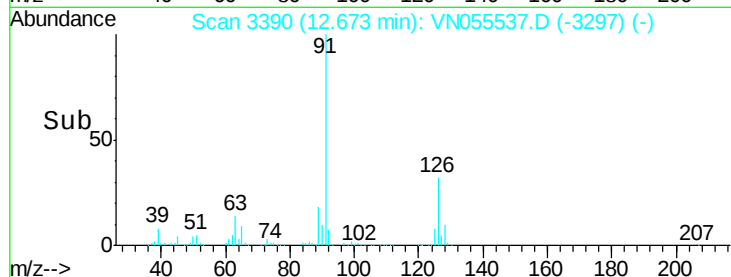
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Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN055481.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.522 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055537.D

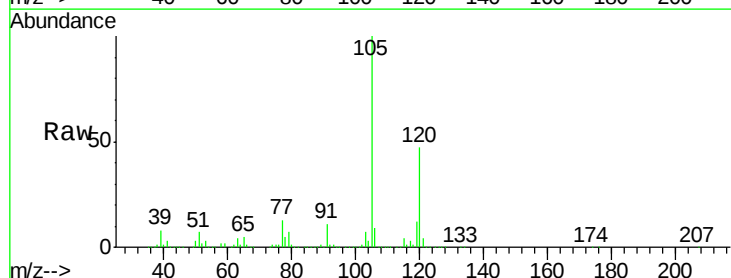
Acq: 10 May 2019 8:53

Tgt Ion: 105 Resp: 1732999

Ion Ratio Lower Upper

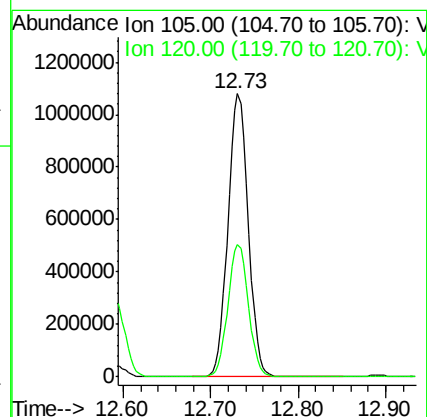
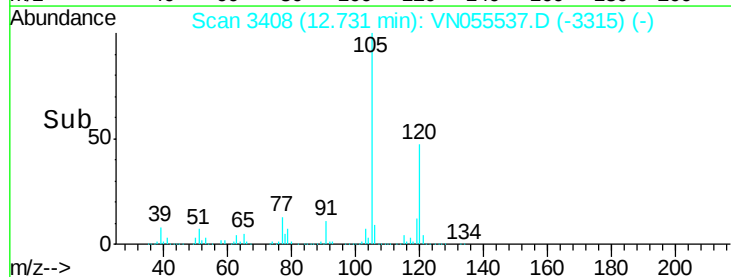
105 100

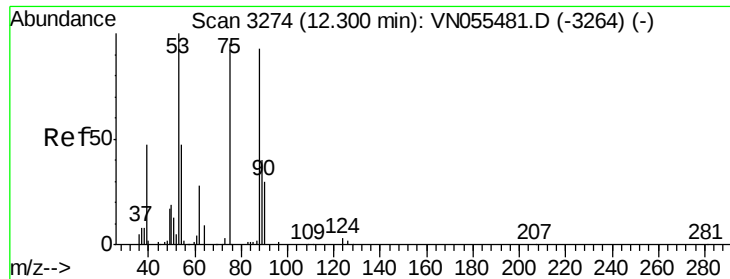
120 47.2 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055481.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055481.D (-3393) (-)





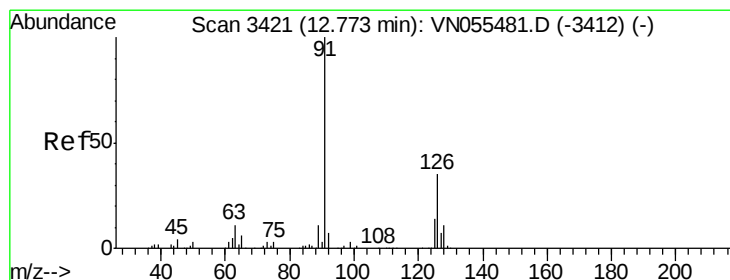
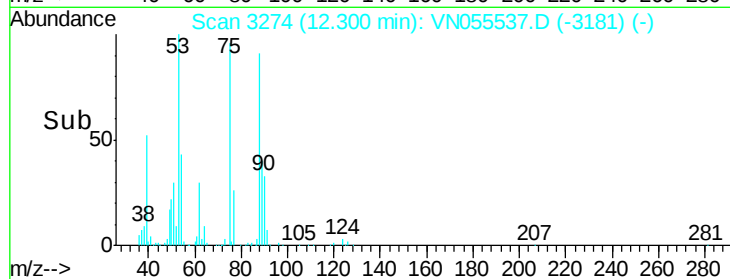
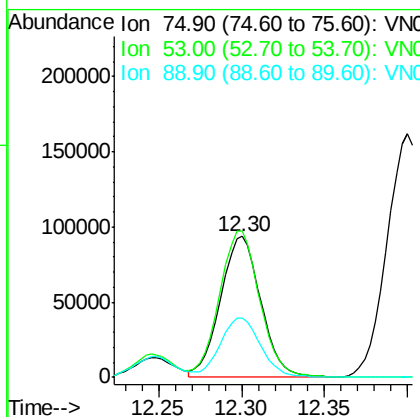
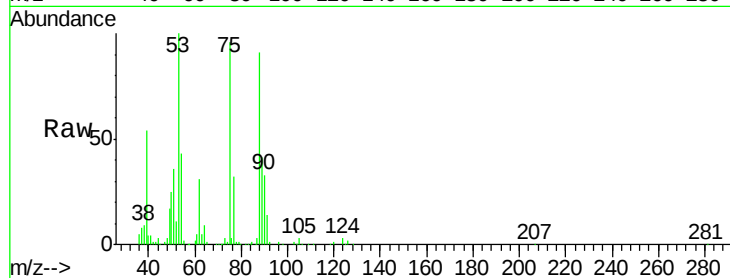
#81
trans-1,4-Dichloro-2-butene
Concen: 45.693 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.9	86.5	129.7
89	42.8	35.7	53.5

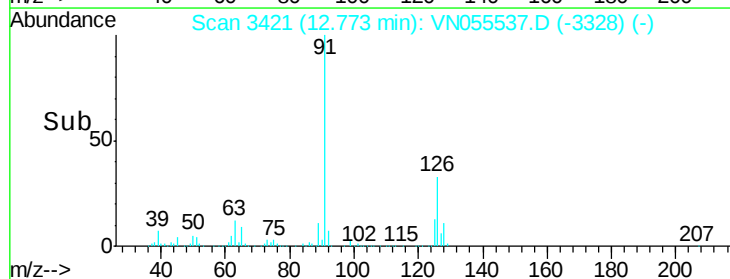
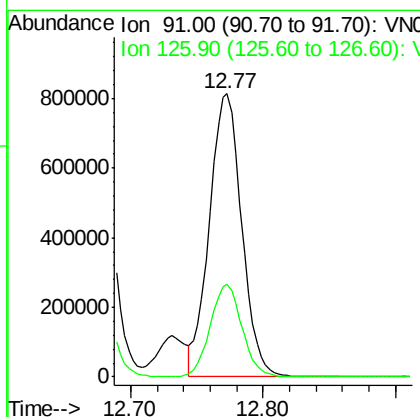
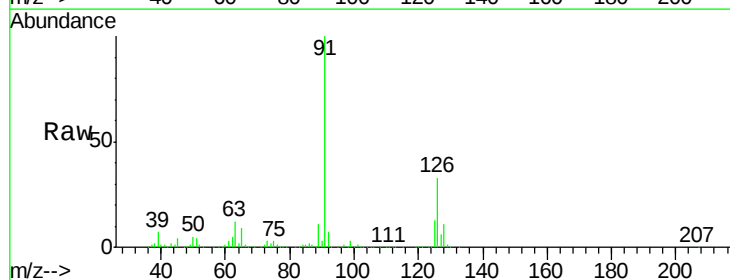
Manual Integrations
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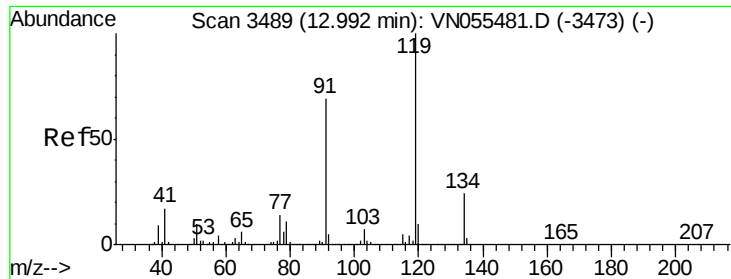
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#82
4-Chlorotoluene
Concen: 46.738 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.0





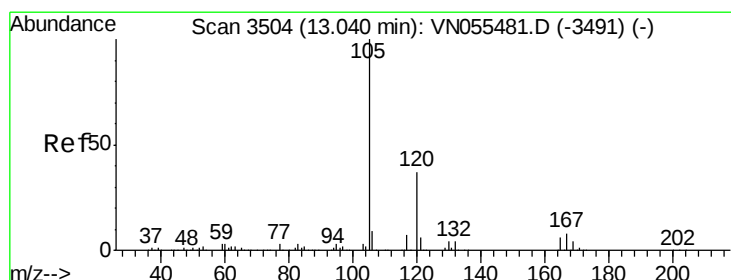
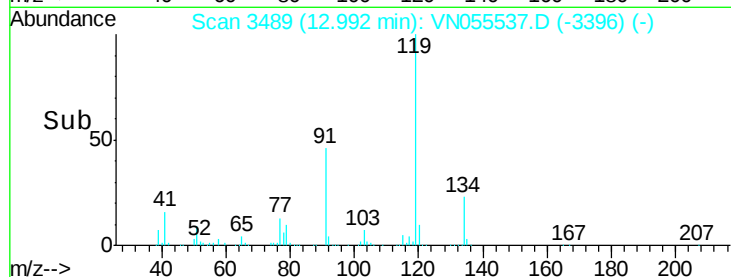
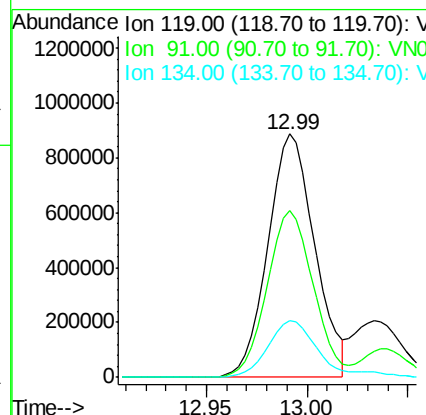
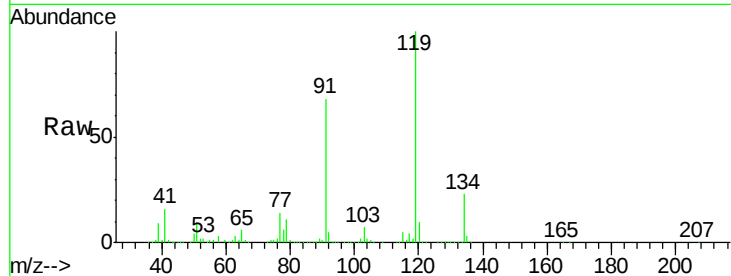
#83
tert-Butylbenzene
Concen: 44.797 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	33.8	101.3
134	25.5	12.5	37.5

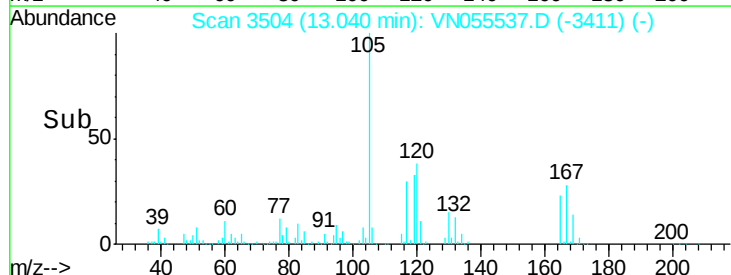
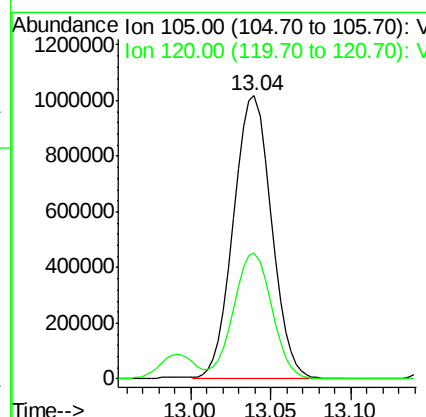
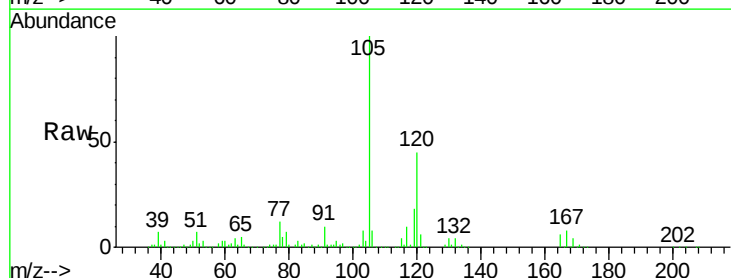
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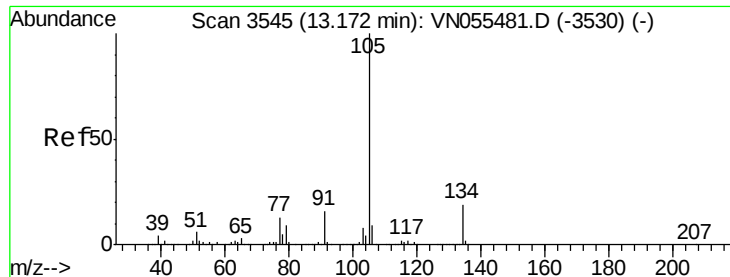
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 48.347 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.1	66.5





#85

sec-Butylbenzene

Concen: 45.922 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1948707

Ion Ratio Lower Upper

105 100

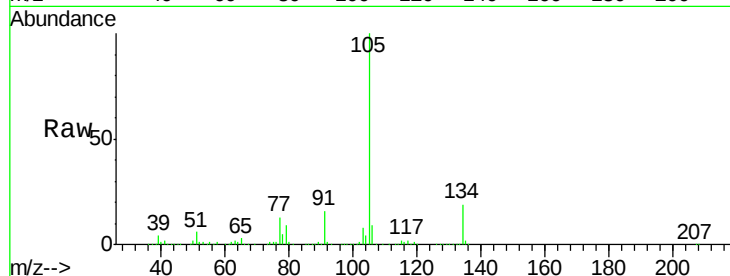
134 19.1 9.3 28.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

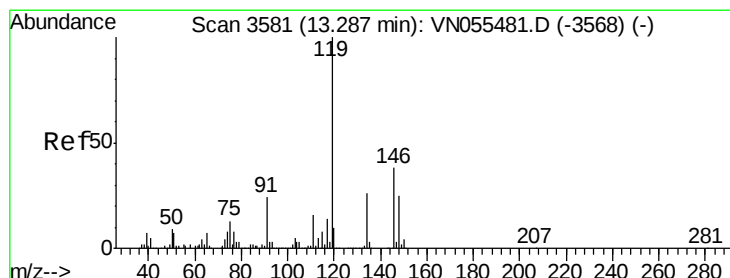
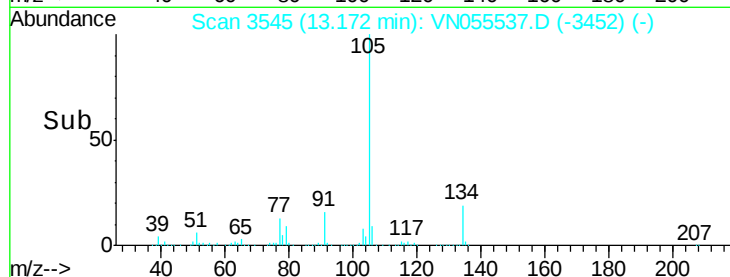
13.17

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 48.405 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

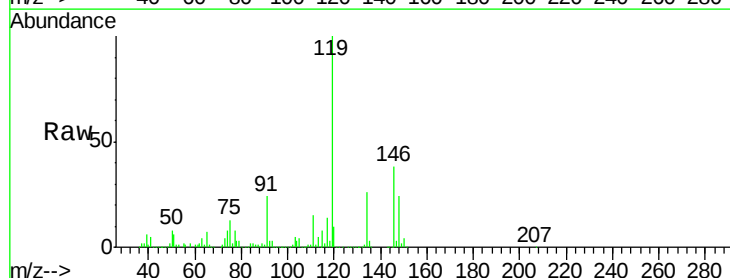
Tgt Ion:119 Resp: 1671695

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.4

91 23.8 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

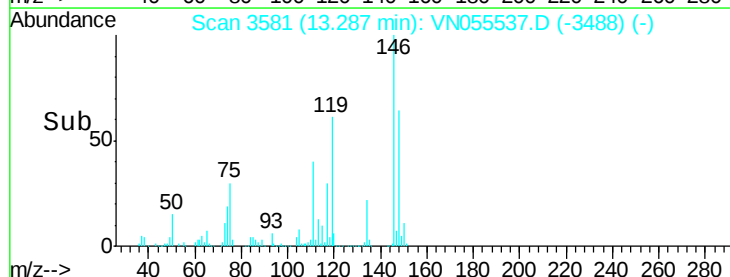
1500000

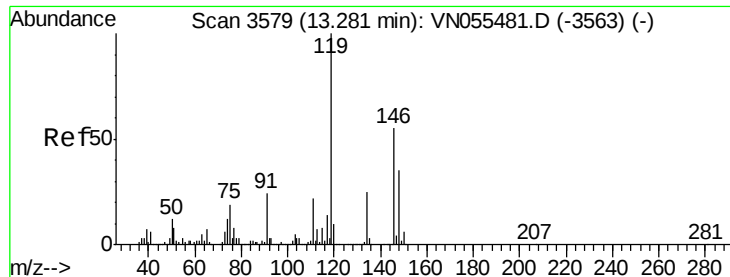
1000000

500000

0

Time-->





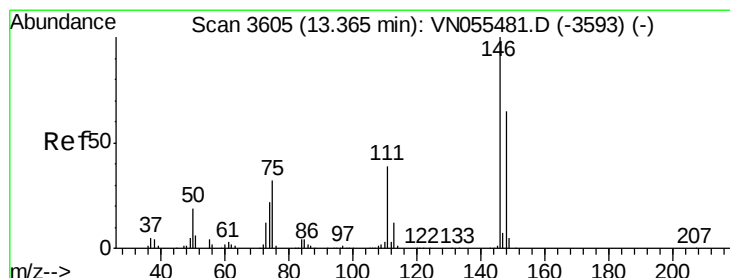
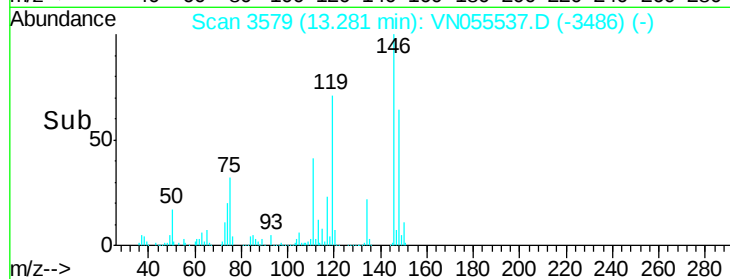
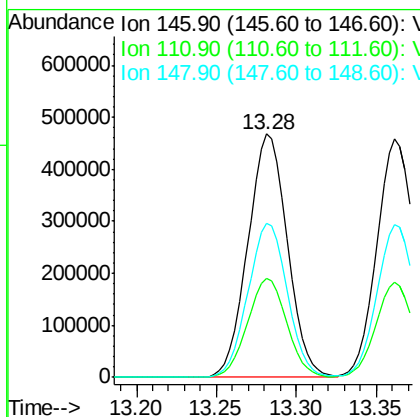
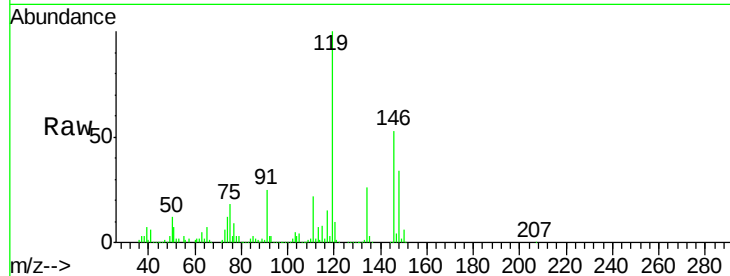
#87
 1,3-Dichlorobenzene
 Concen: 50.134 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.4	61.3
148	63.1	32.1	96.5

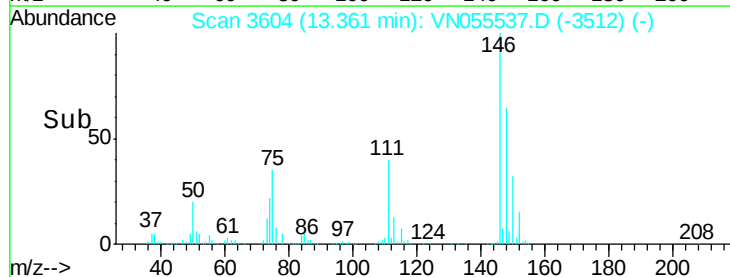
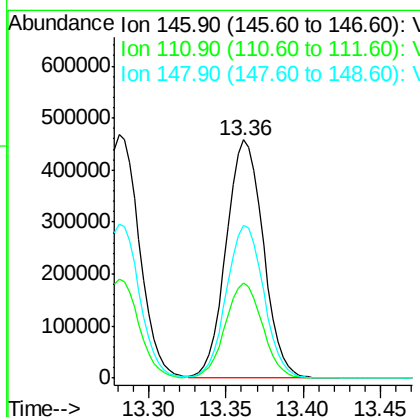
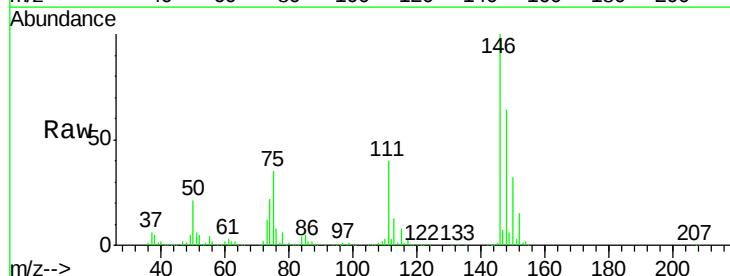
Manual Integrations
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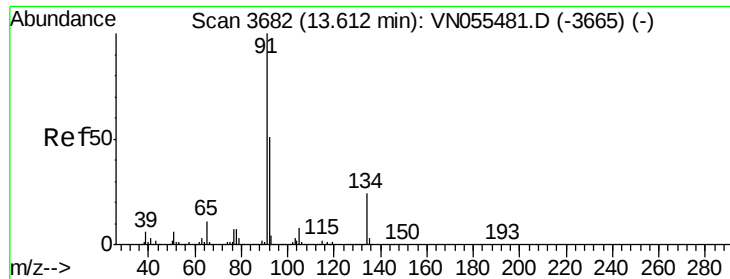
MMDadoda
 5/11/2019 1:16:19 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.651 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.6	58.8
148	64.7	32.5	97.4





#89

n-Butylbenzene

Concen: 50.133 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Instrument :

MSVOA_N

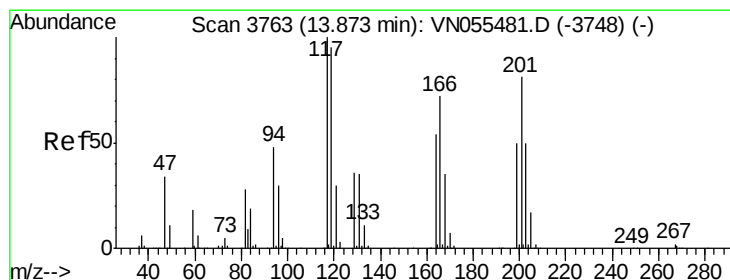
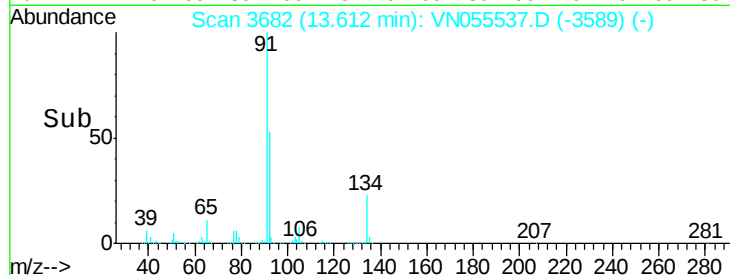
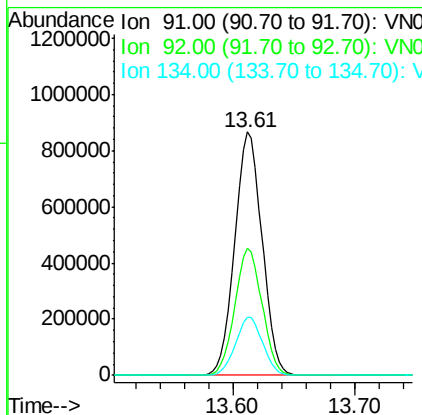
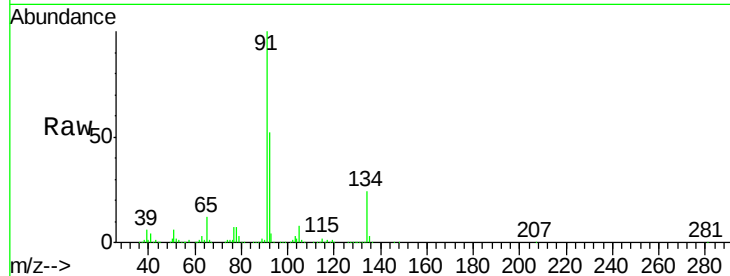
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	1342043
Ion	Ratio	Lower	Upper
91	100		
92	52.1	25.9	77.7
134	23.8	11.8	35.4

Manual Integrations
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#90

Hexachloroethane

Concen: 45.537 ug/l

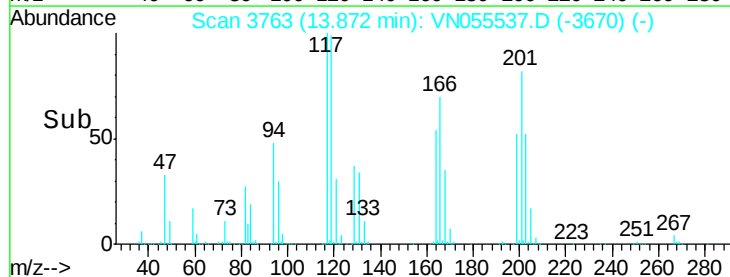
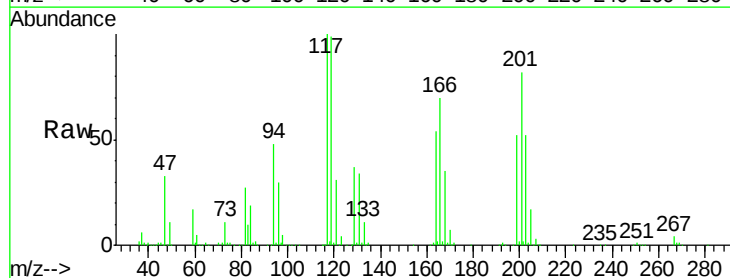
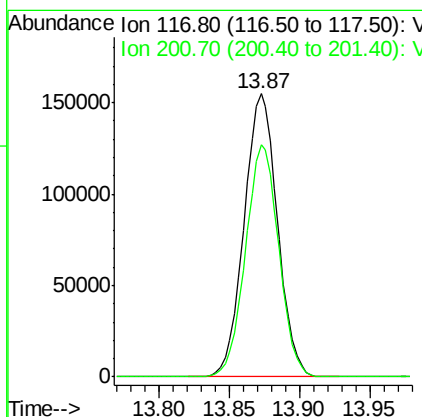
RT: 13.87 min Scan# 3763

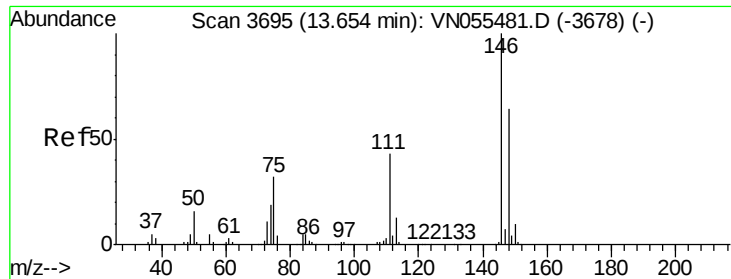
Delta R.T. -0.00 min

Lab File: VN055537.D

Acq: 10 May 2019 8:53

Tgt Ion:	117	Resp:	256537
Ion	Ratio	Lower	Upper
117	100		
201	81.8	40.1	120.2





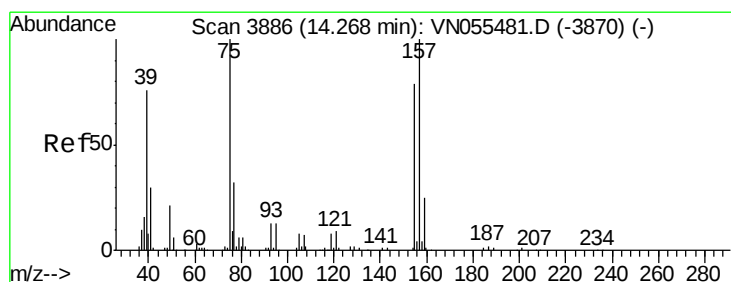
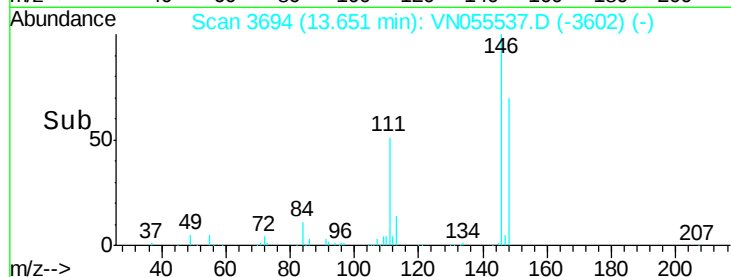
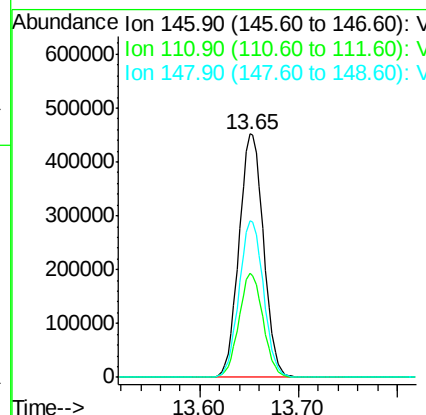
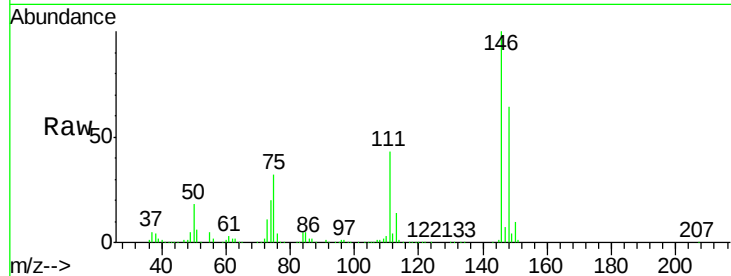
#91
 1,2-Dichlorobenzene
 Concen: 48.813 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.3	63.7
148	64.0	31.9	95.9

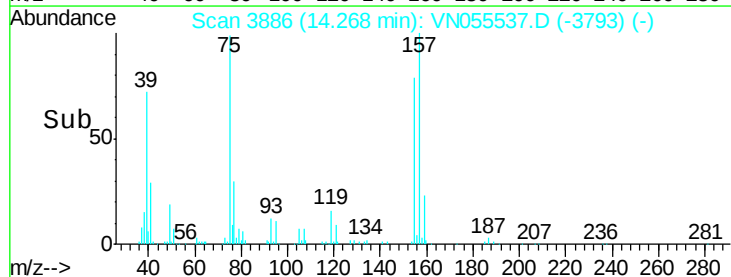
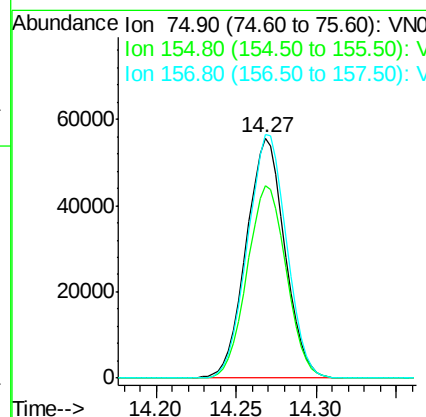
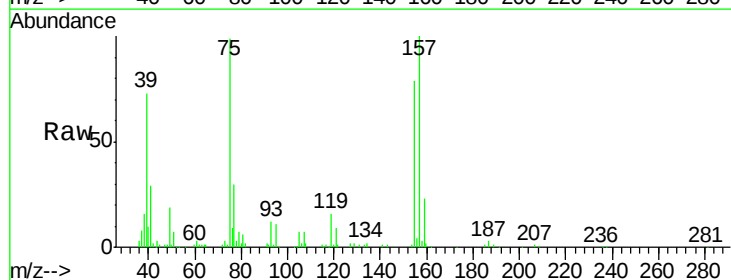
Manual Integrations
 APPROVED

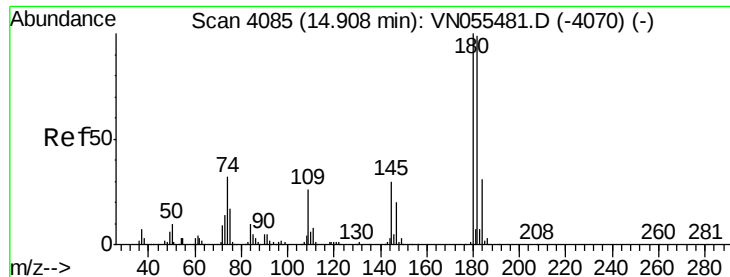
MMDadoda
 5/11/2019 1:16:19 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.818 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.6	39.3	117.8
157	102.8	50.6	151.8





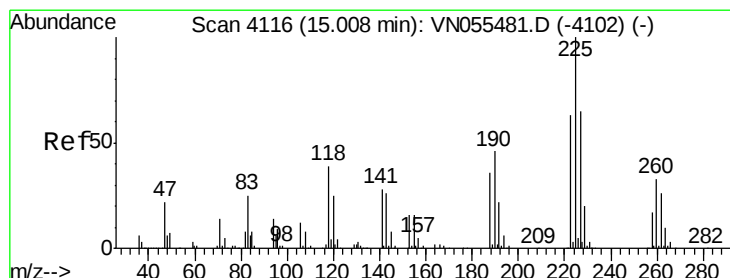
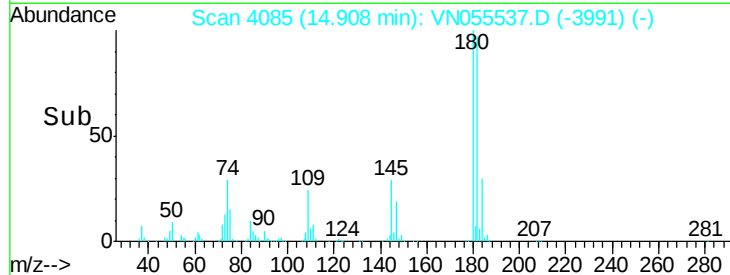
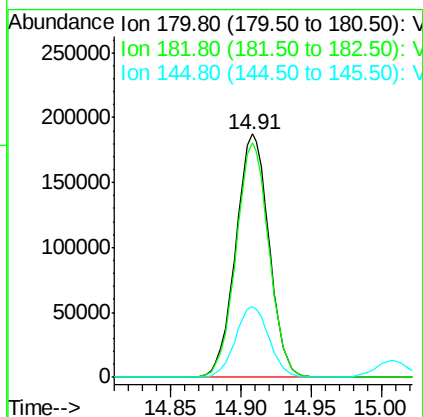
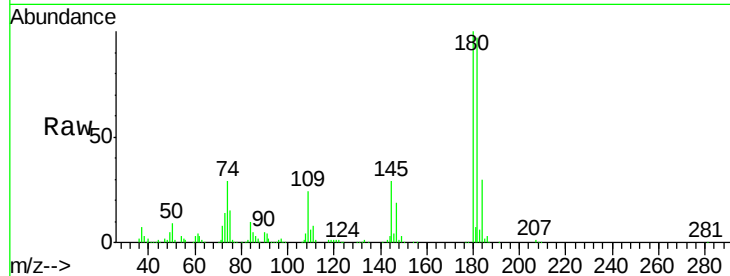
#93
 1,2,4-Trichlorobenzene
 Concen: 45.120 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	309131		
182	95.3	48.7	146.1	
145	29.4	15.3	45.9	

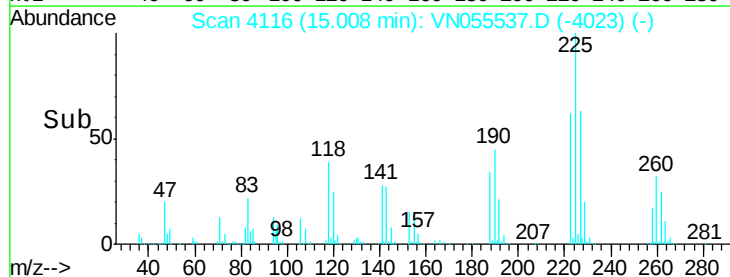
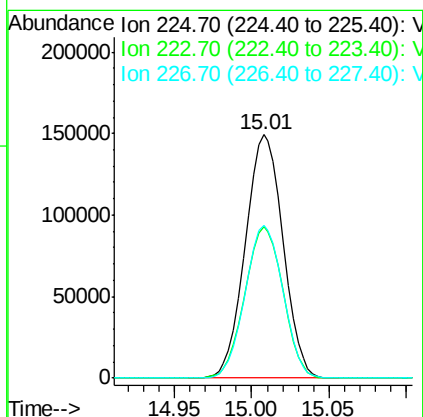
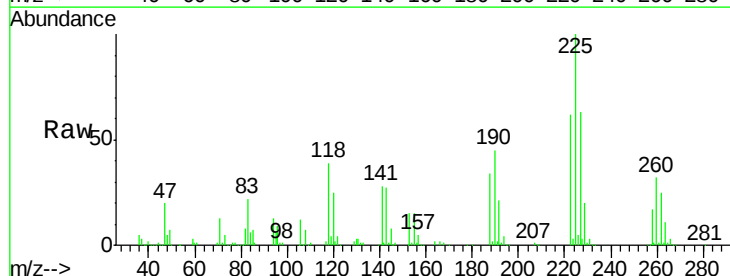
Manual Integrations
 APPROVED

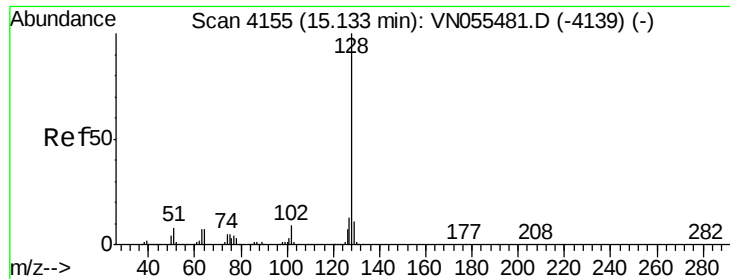
MMDadoda
 5/11/2019 1:16:19 PM



#94
 Hexachlorobutadiene
 Concen: 54.181 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055537.D
 Acq: 10 May 2019 8:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	253264		
223	62.9	31.4	94.3	
227	63.0	32.0	96.0	





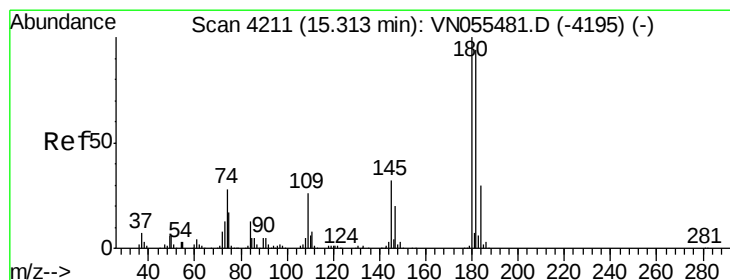
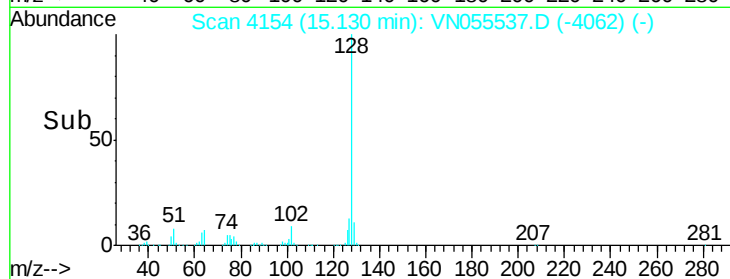
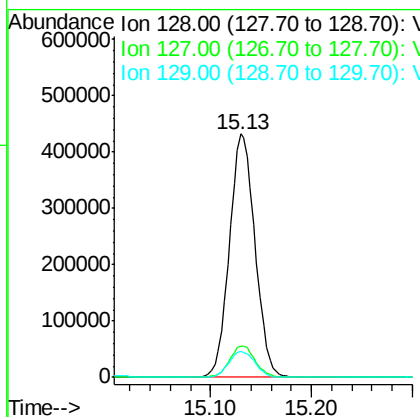
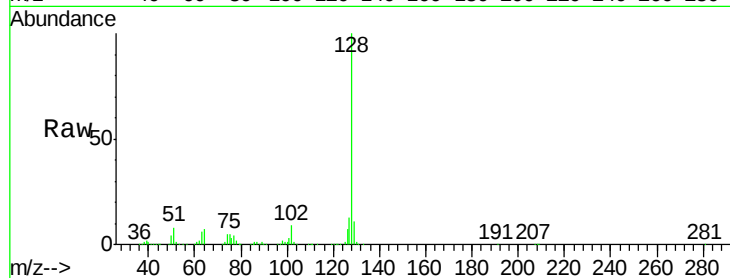
#95
Naphthalene
Concen: 39.868 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	761967		
127	12.9	10.0	15.0	
129	10.9	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
5/11/2019 1:16:19 PM



#96
1,2,3-Trichlorobenzene
Concen: 43.953 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN055537.D
Acq: 10 May 2019 8:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	326225		
182	96.2	47.1	141.3	
145	31.4	15.8	47.4	

