

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055535.D
 Acq On : 10 May 2019 7:54
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 12:44:37 PM

Quant Time: May 10 09:31:11 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	7.67	168	683165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1209206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1057660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	437068	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	521408	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	7.59	113	407467	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
50) Toluene-d8	10.09	98	1597390	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.40	95	539046	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	317876	45.702	ug/l	100
3) Chloromethane	2.06	50	519617	45.985	ug/l	99
4) Vinyl Chloride	2.19	62	510326	47.843	ug/l	100
5) Bromomethane	2.54	94	288632	49.387	ug/l	100
6) Chloroethane	2.70	64	317852	51.158	ug/l	98
7) Trichlorofluoromethane	3.02	101	581585	49.701	ug/l	99
8) Diethyl Ether	3.41	74	260503	49.569	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	352556	47.355	ug/l	98
10) Methyl Iodide	3.95	142	501304	49.819	ug/l	99
11) Tert butyl alcohol	4.81	59	348202	229.266	ug/l	100
12) 1,1-Dichloroethene	3.73	96	373249	49.989	ug/l	99
13) Acrolein	3.61	56	224703	221.994	ug/l	98
14) Allyl chloride	4.32	41	719251	47.025	ug/l	99
15) Acrylonitrile	4.99	53	1127103	239.666	ug/l	100
16) Acetone	3.82	43	901066	189.188	ug/l	99
17) Carbon Disulfide	4.05	76	1016747	49.893	ug/l	100
18) Methyl Acetate	4.33	43	470752	47.034	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	1253576	50.527	ug/l	97
20) Methylene Chloride	4.55	84	460840	47.318	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	405383	50.076	ug/l	96
22) Diisopropyl ether	5.96	45	1572269	50.586	ug/l	96
23) Vinyl Acetate	5.90	43	6054113	251.867	ug/l	100
24) 1,1-Dichloroethane	5.85	63	837369	49.908	ug/l	99
25) 2-Butanone	6.84	43	1467100	222.989	ug/l	98
26) 2,2-Dichloropropane	6.83	77	369139	35.293	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	475926	50.870	ug/l	98
28) Bromochloromethane	7.19	49	441365	50.654	ug/l	96
29) Tetrahydrofuran	7.22	42	1011439	232.545	ug/l	99
30) Chloroform	7.37	83	784296	50.565	ug/l	99
31) Cyclohexane	7.65	56	771339	46.464	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	609608	51.611	ug/l	100
36) 1,1-Dichloropropene	7.79	75	594973	49.944	ug/l	99
37) Ethyl Acetate	6.93	43	604642	46.529	ug/l	99
38) Carbon Tetrachloride	7.77	117	502915	50.136	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	668622	46.033	ug/l	99
40) Benzene	8.04	78	1860934	50.333	ug/l	99
41) Methacrylonitrile	7.17	41	289150	47.941	ug/l	95
42) 1,2-Dichloroethane	8.12	62	624299	48.062	ug/l	100
43) Isopropyl Acetate	8.17	43	961354	48.695	ug/l	98
44) Trichloroethene	8.83	130	437283	49.707	ug/l	96
45) 1,2-Dichloropropane	9.12	63	522129	49.356	ug/l	100
46) Dibromomethane	9.21	93	304673	49.688	ug/l	99
47) Bromodichloromethane	9.40	83	595845	50.794	ug/l	98
48) Methyl methacrylate	9.20	41	460857	48.450	ug/l	100
49) 1,4-Dioxane	9.20	88	172924	932.748	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	2997350	230.845	ug/l	99
52) Toluene	10.16	92	1070556	50.649	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	569653	50.562	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	685914	50.950	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	423876	49.495	ug/l	99
56) Ethyl methacrylate	10.43	69	640113	50.251	ug/l	99
57) 1,3-Dichloropropane	10.71	76	763105	50.191	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	877586	206.923	ug/l	99
59) 2-Hexanone	10.75	43	2035366	223.523	ug/l	100
60) Dibromochloromethane	10.90	129	413297	53.080	ug/l	99
61) 1,2-Dibromoethane	11.00	107	423474	51.465	ug/l	98
64) Tetrachloroethene	10.63	164	426602	49.224	ug/l	99
65) Chlorobenzene	11.43	112	1097764	50.449	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	390276	52.098	ug/l	100
67) Ethyl Benzene	11.51	91	2026132	49.577	ug/l	100
68) m/p-Xylenes	11.62	106	1478711	100.823	ug/l	99
69) o-Xylene	11.95	106	728383	50.528	ug/l	99
70) Styrene	11.96	104	1215876	52.647	ug/l	99
71) Bromoform	12.13	173	269763	53.365	ug/l #	100
73) Isopropylbenzene	12.25	105	1912126	53.218	ug/l	100
74) N-amyl acetate	12.07	43	774764	46.691	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	591653	50.517	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	532614m	44.763	ug/l	
77) Bromobenzene	12.53	156	443527	46.047	ug/l	96
78) n-propylbenzene	12.59	91	2164871	46.181	ug/l	100
79) 2-Chlorotoluene	12.67	91	1317568	45.099	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1624947	46.487	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	129938	40.295	ug/l	100
82) 4-Chlorotoluene	12.77	91	1285193	46.556	ug/l	98
83) tert-Butylbenzene	12.99	119	1340078	44.727	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1562806	48.750	ug/l	100
85) sec-Butylbenzene	13.17	105	1797689	45.147	ug/l	100
86) p-Isopropyltoluene	13.29	119	1521289	46.944	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	745033	50.057	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	715422	48.706	ug/l	100
89) n-Butylbenzene	13.61	91	1173497	46.717	ug/l	100
90) Hexachloroethane	13.87	117	250113	47.313	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	746779	50.202	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	92389	45.969	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	287907	44.807	ug/l	99
94) Hexachlorobutadiene	15.01	225	221340	50.295	ug/l	99
95) Naphthalene	15.13	128	790721	43.779	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	321633	46.059	ug/l	100

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

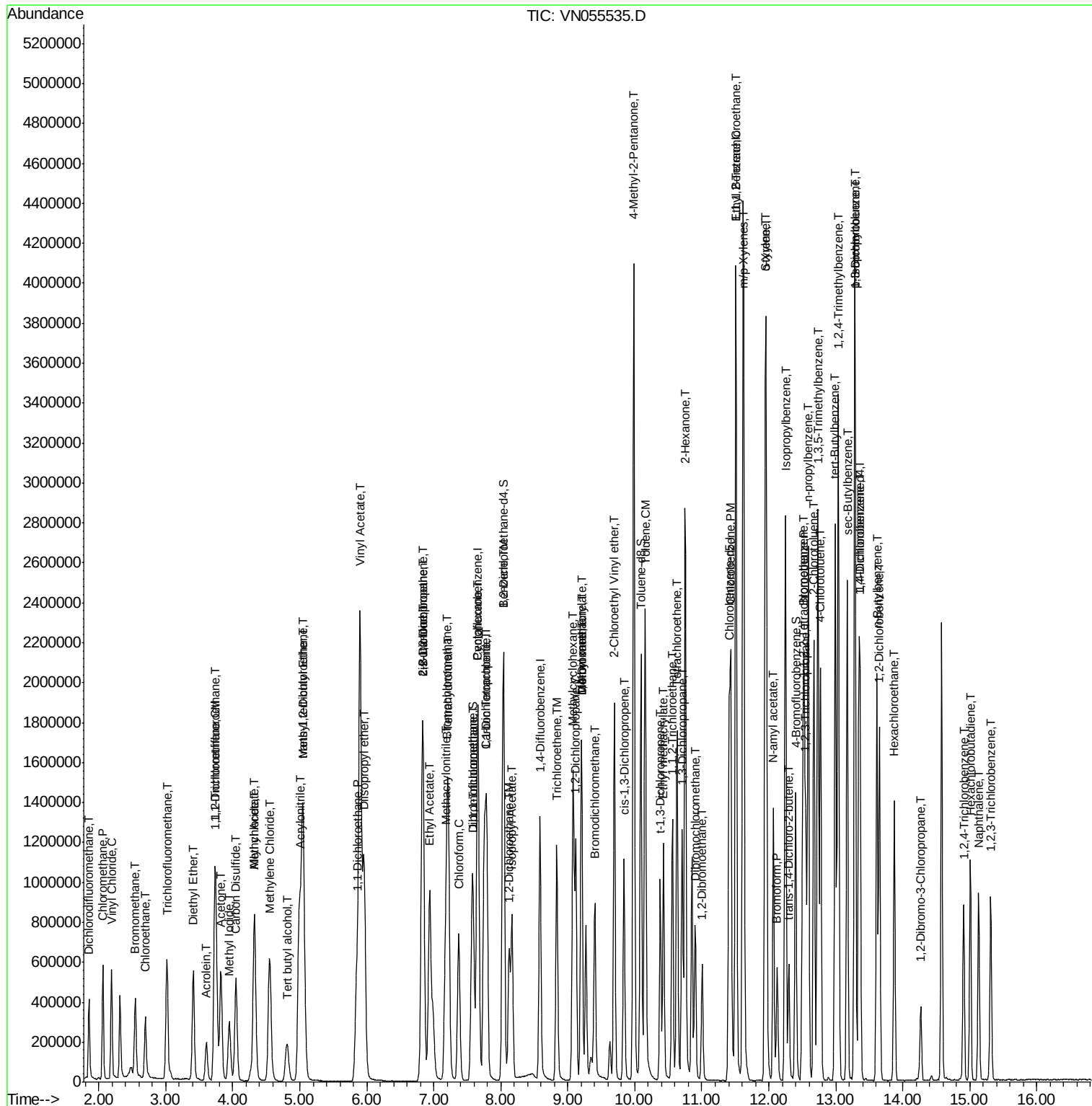
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050919\
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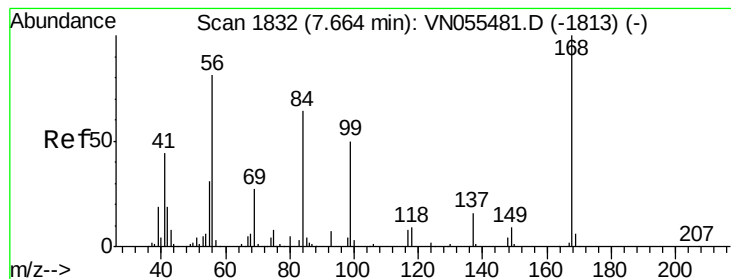
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 683165

Ion Ratio Lower Upper

168 100

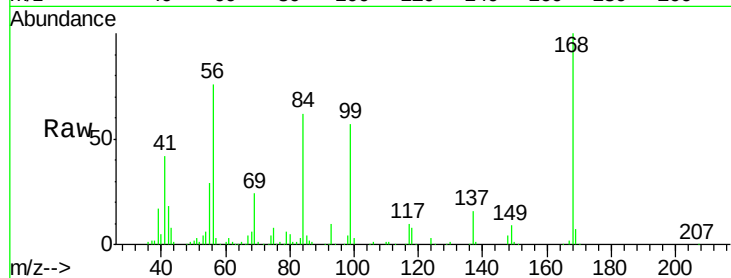
99 56.8 47.0 70.4

Manual Integrations

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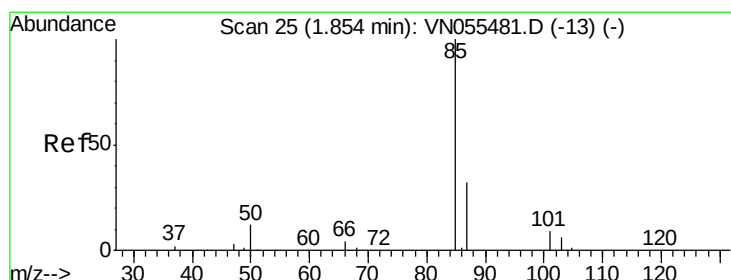
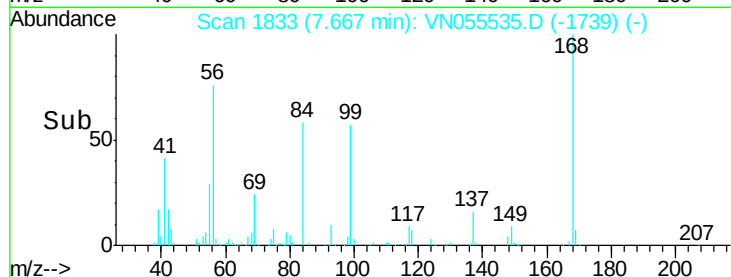
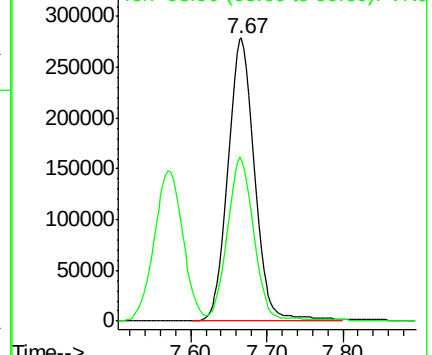
MMDadoda

5/10/2019 12:44:37 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.702 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055535.D

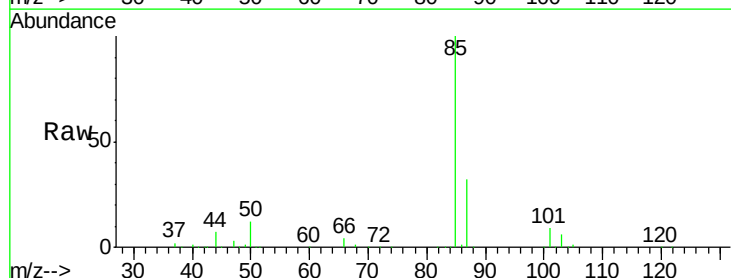
Acq: 10 May 2019 7:54

Tgt Ion: 85 Resp: 317876

Ion Ratio Lower Upper

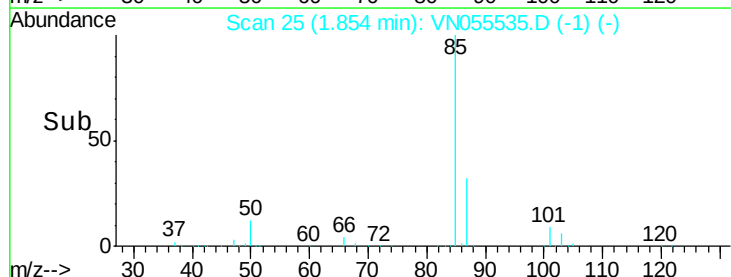
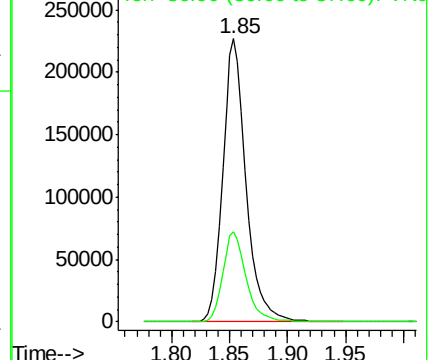
85 100

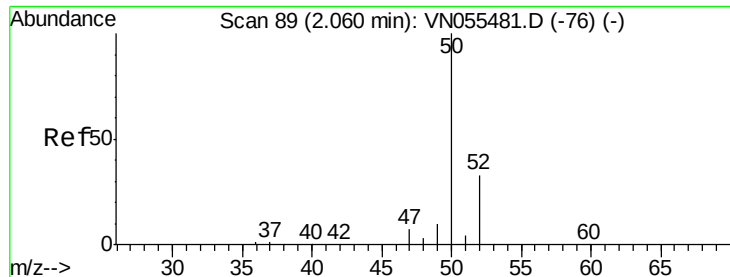
87 31.7 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.985 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 519617

Ion Ratio Lower Upper

50 100

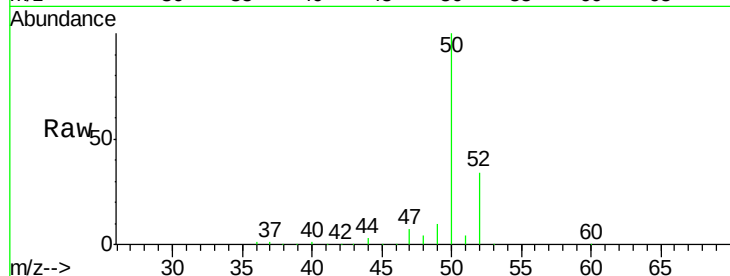
52 33.8 26.6 39.8

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

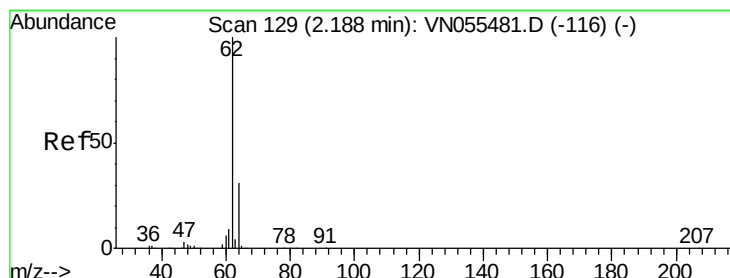
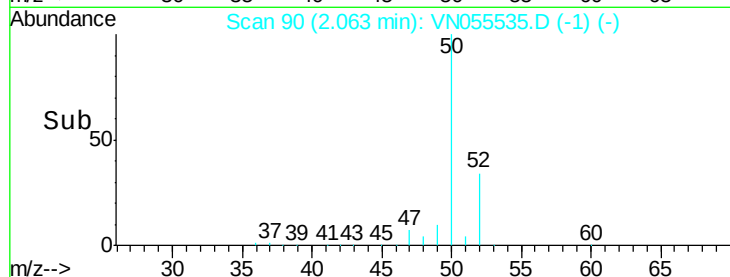
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200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 47.843 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055535.D

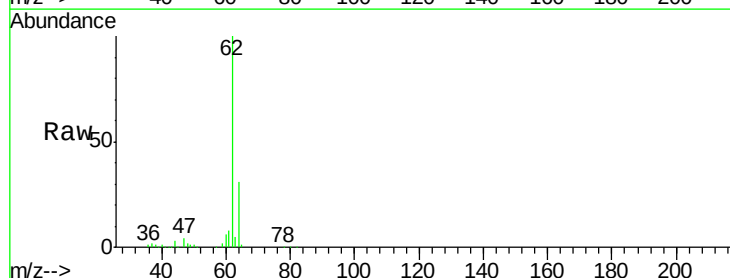
Acq: 10 May 2019 7:54

Tgt Ion: 62 Resp: 510326

Ion Ratio Lower Upper

62 100

64 31.5 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

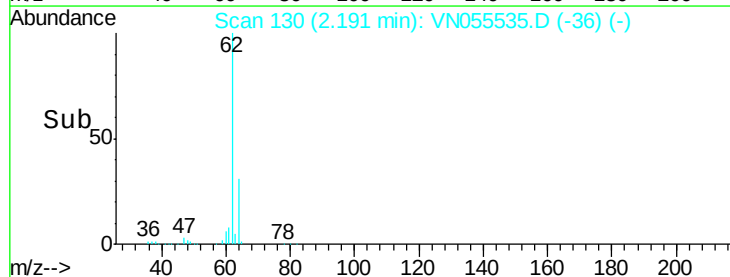
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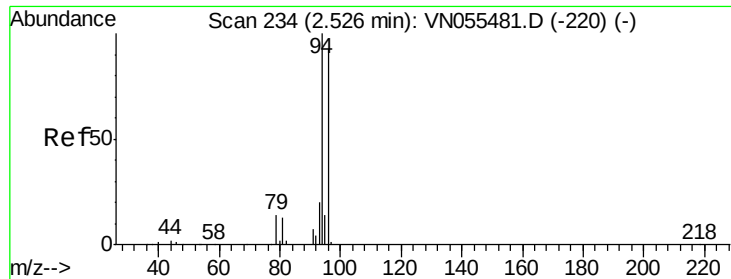
200000

100000

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Time-->





#5

Bromomethane

Concen: 49.387 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 288632

Ion Ratio Lower Upper

94 100

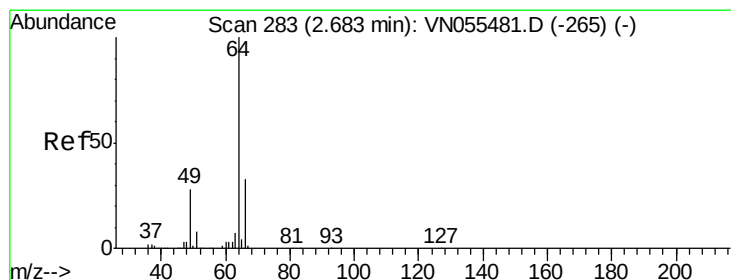
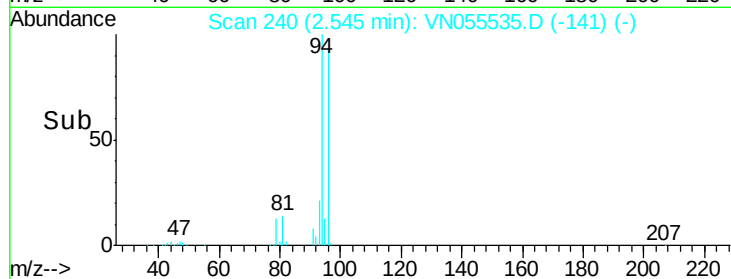
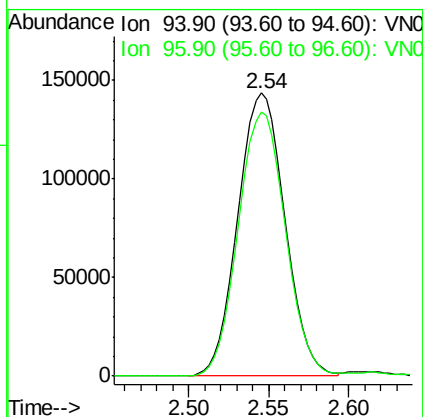
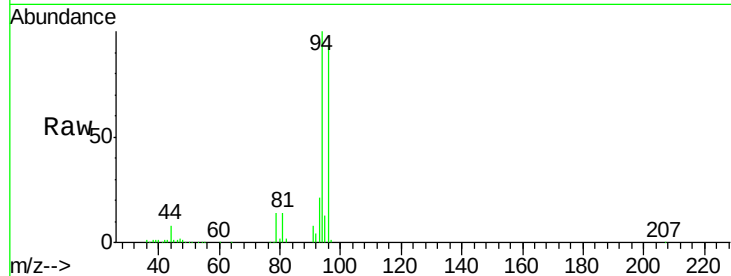
96 93.4 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 51.158 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.01 min

Lab File: VN055535.D

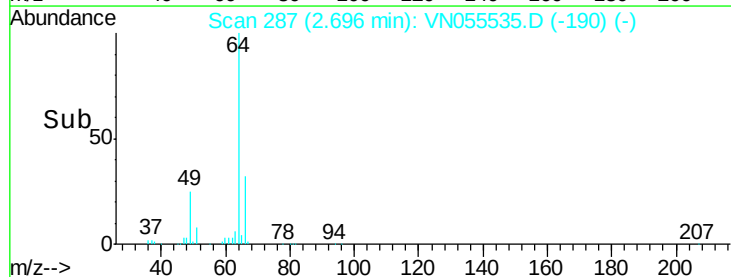
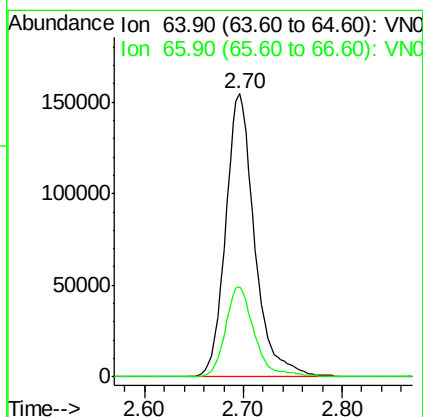
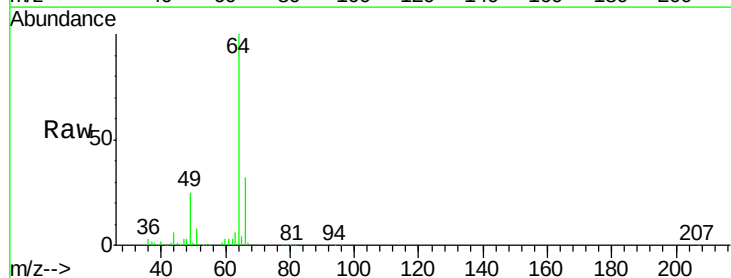
Acq: 10 May 2019 7:54

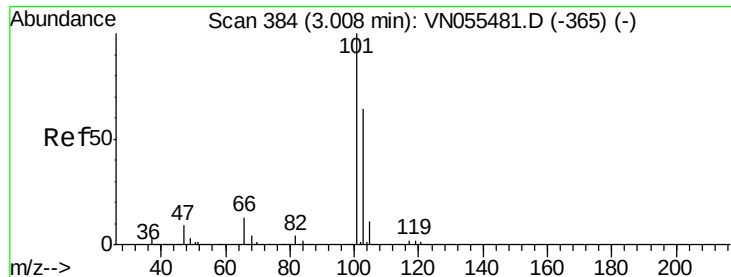
Tgt Ion: 64 Resp: 317852

Ion Ratio Lower Upper

64 100

66 31.8 26.2 39.2





#7

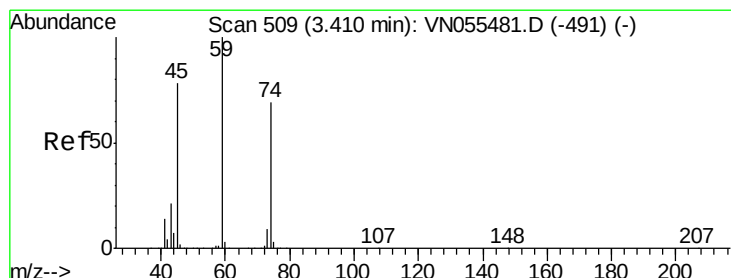
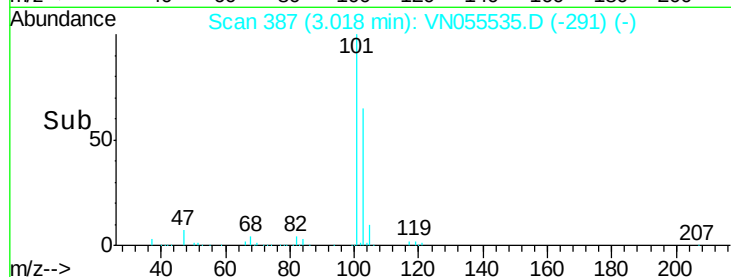
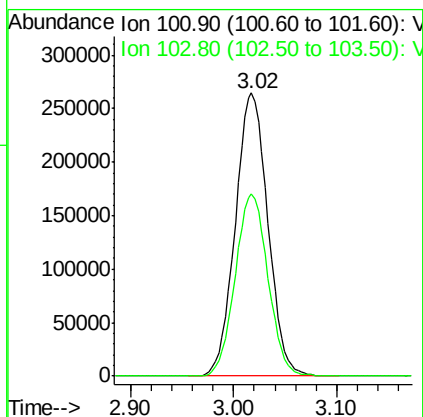
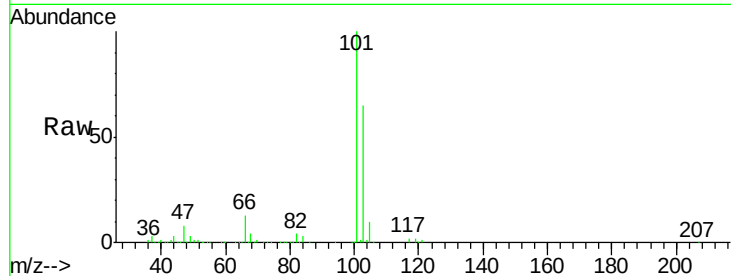
Trichlorofluoromethane
 Concen: 49.701 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN055535.D
 Acq: 10 May 2019 7:54

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.2	76.8

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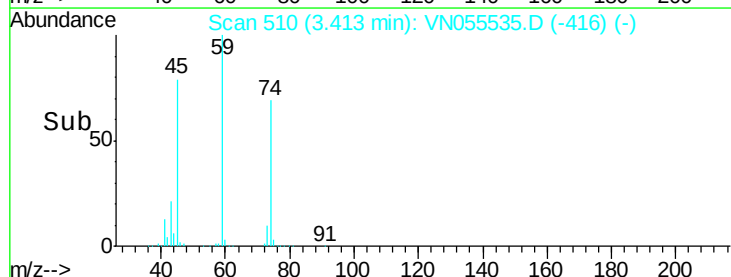
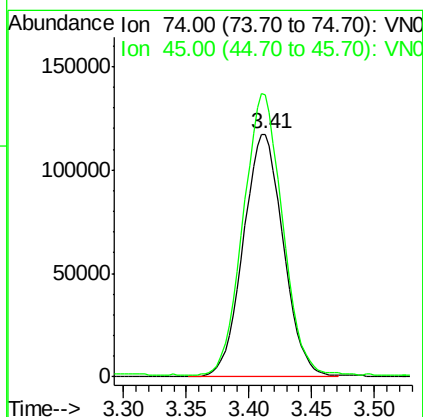
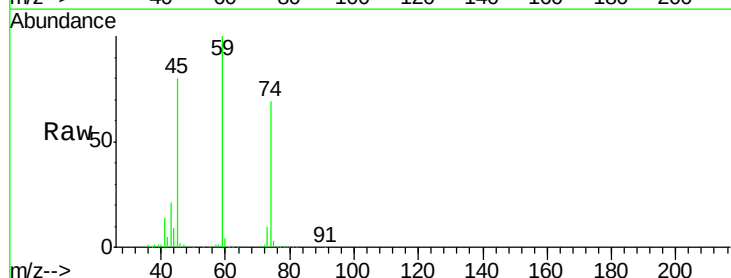
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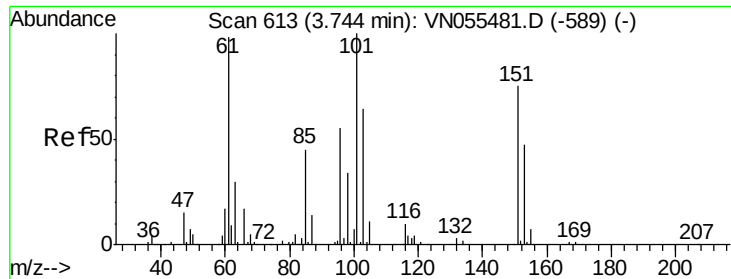


#8

Diethyl Ether
 Concen: 49.569 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055535.D
 Acq: 10 May 2019 7:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.7	58.1	174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.355 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Instrument :

MSVOA_N

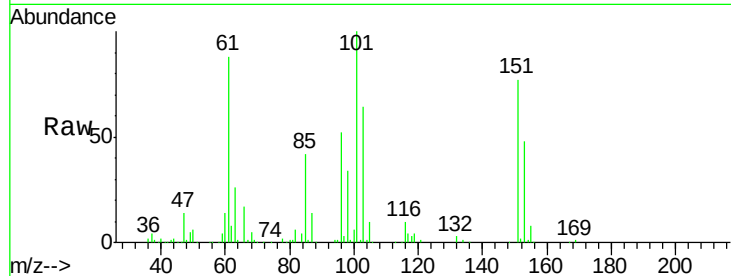
ClientSampleId :

VSTDCCC050EC

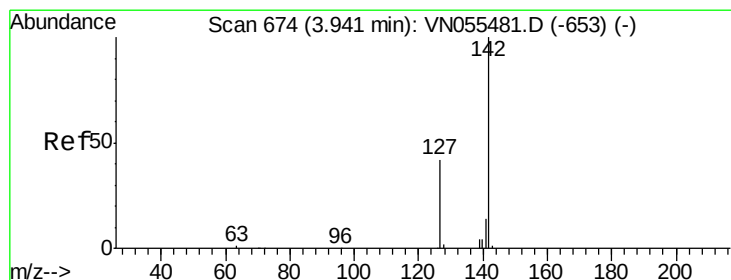
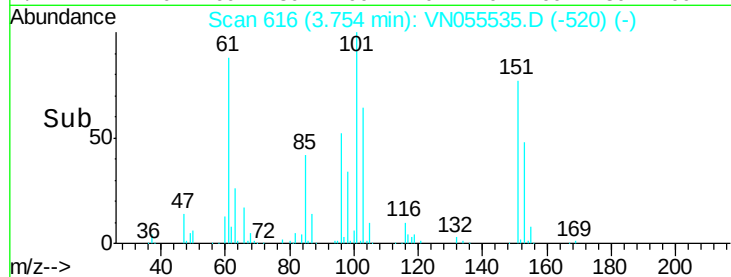
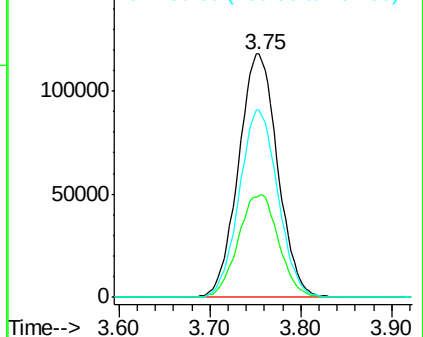
Tot Ion:	101	Resp:	352556
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.5	53.3
151	76.0	59.2	88.8

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



#10

Methyl Iodide

Concen: 49.819 ug/l

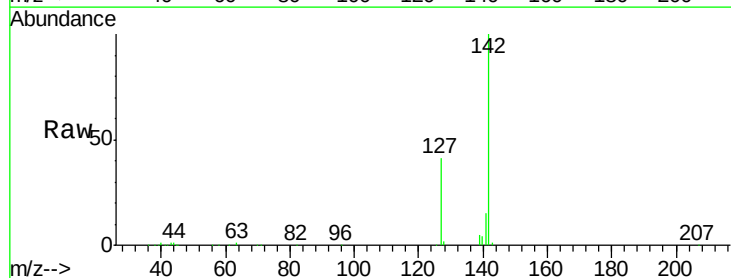
RT: 3.95 min Scan# 677

Delta R.T. 0.01 min

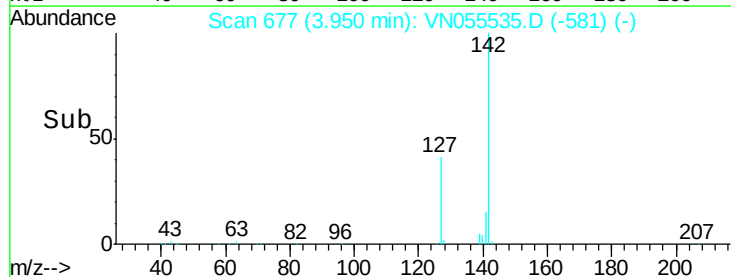
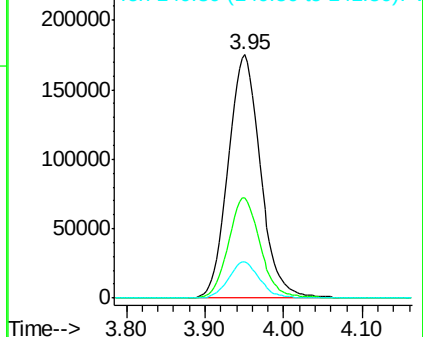
Lab File: VN055535.D

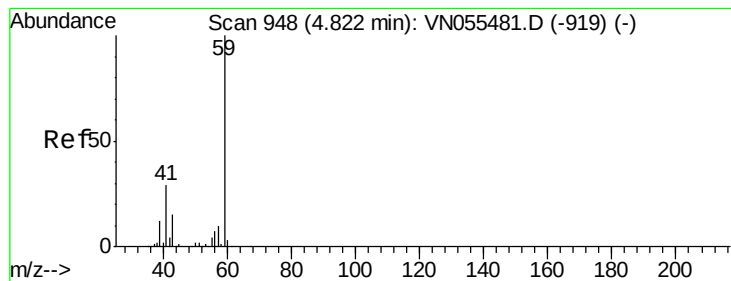
Acq: 10 May 2019 7:54

Tgt Ion:	142	Resp:	501304
Ion Ratio	Lower	Upper	
142	100		
127	40.8	33.0	49.4
141	14.3	11.4	17.0



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





#11

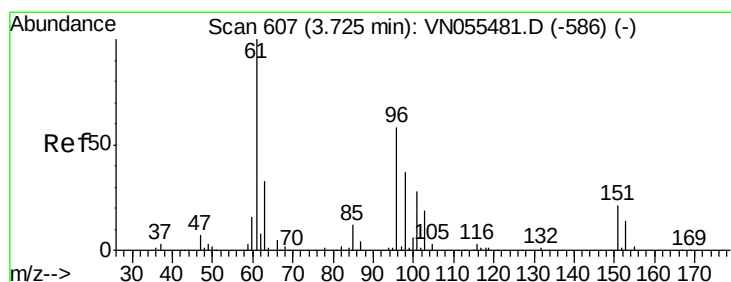
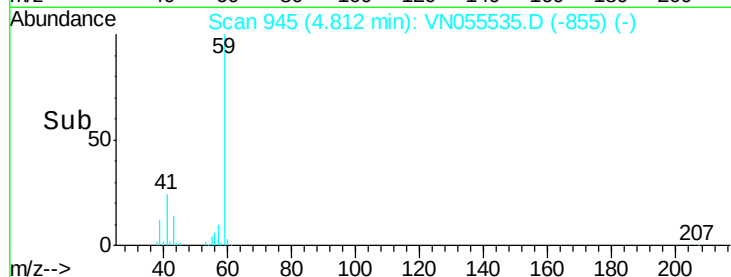
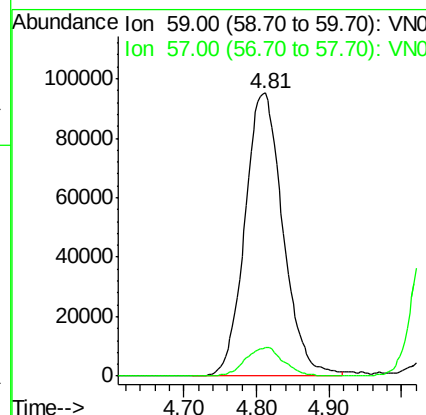
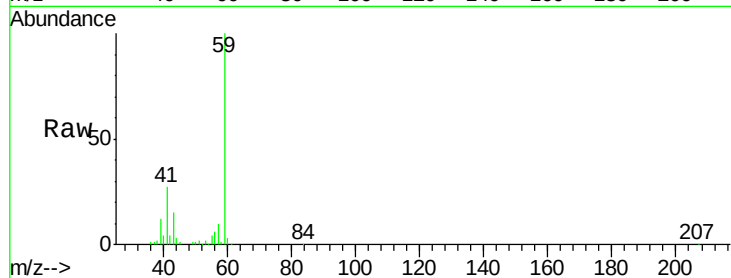
Tert butyl alcohol
Concen: 229.266 ug/l
RT: 4.81 min Scan# 945
Delta R.T. -0.01 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0

Manual Integrations
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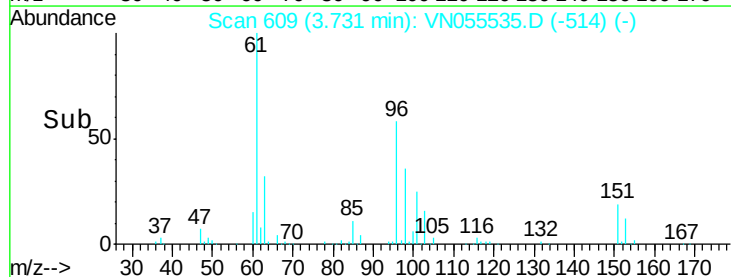
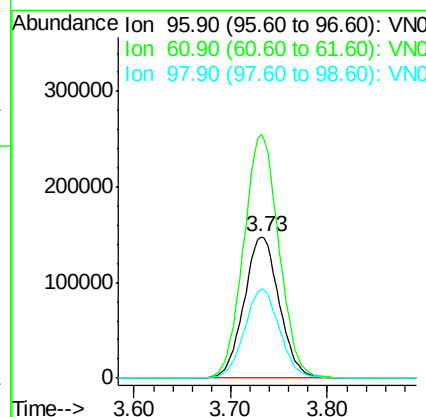
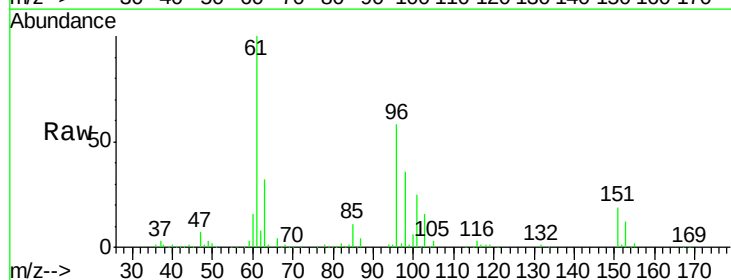
MMDadoda
5/10/2019 12:44:37 PM

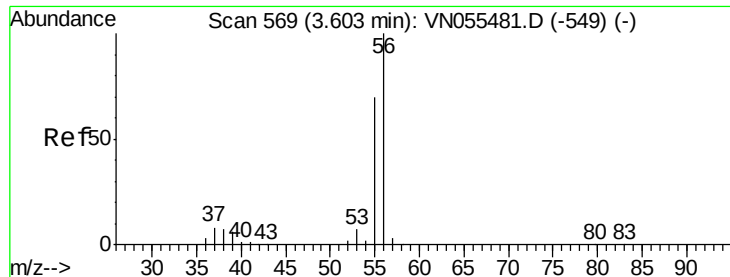


#12

1,1-Dichloroethene
Concen: 49.989 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.01 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.1	138.7	208.1
98	62.6	50.6	76.0





#13

Acrolein

Concen: 221.994 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 224703

Ion Ratio Lower Upper

56 100

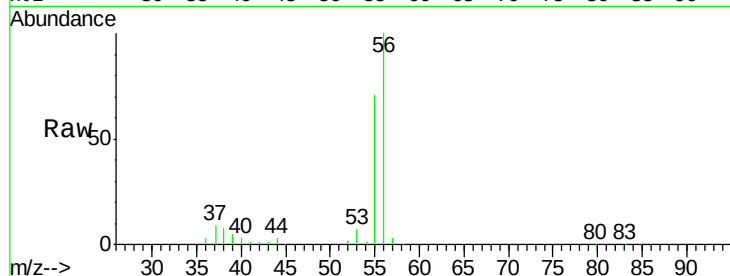
55 70.4 57.7 86.5

Manual Integrations

APPROVED

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5/10/2019 12:44:37 PM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.61

100000

80000

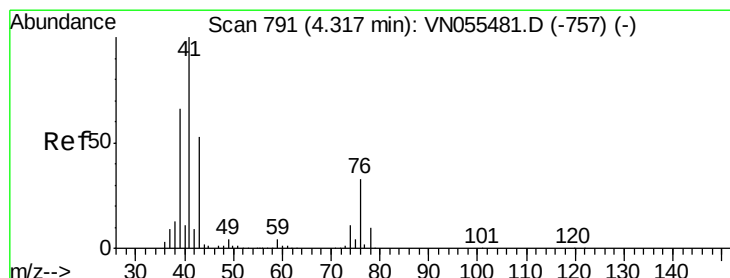
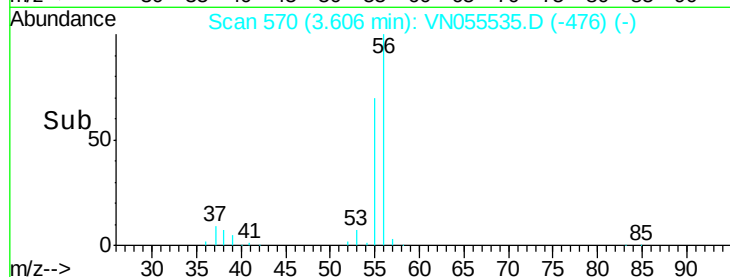
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 47.025 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

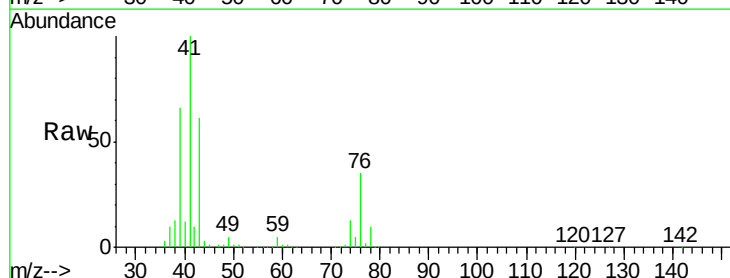
Tgt Ion: 41 Resp: 719251

Ion Ratio Lower Upper

41 100

39 61.9 49.8 74.8

76 29.9 23.5 35.3



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

4.32

300000

250000

200000

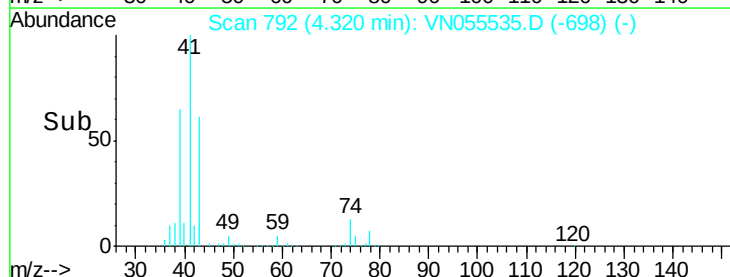
150000

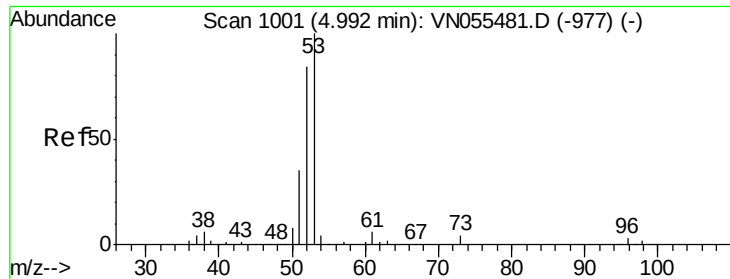
100000

50000

0

Time-->





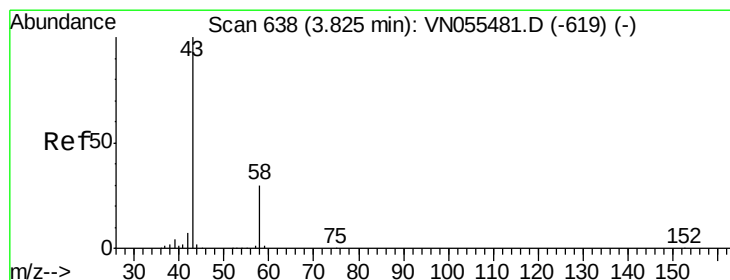
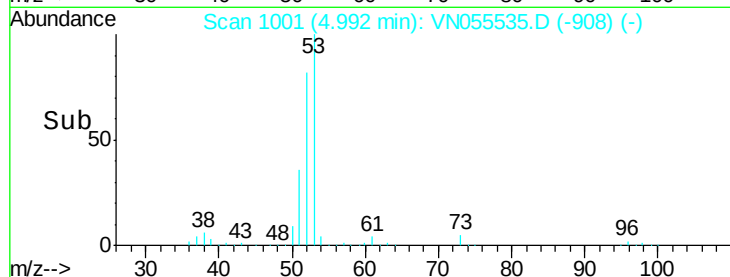
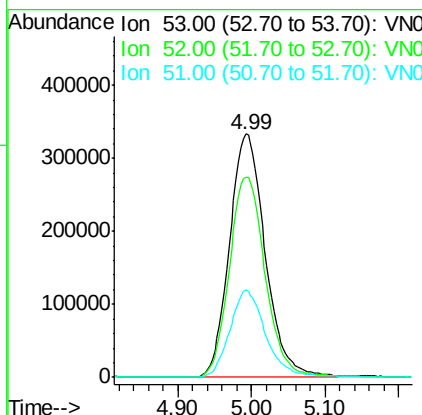
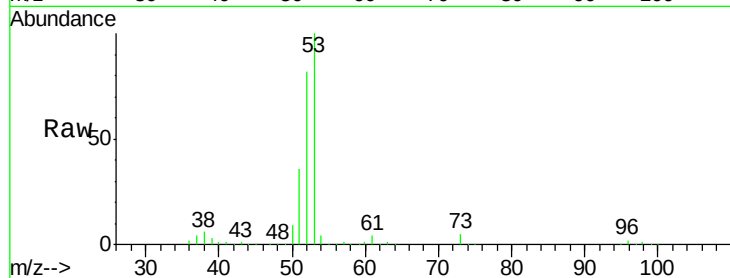
#15
 Acrylonitrile
 Concen: 239.666 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN055535.D
 Acq: 10 May 2019 7:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.1	99.1
51	36.0	28.3	42.5

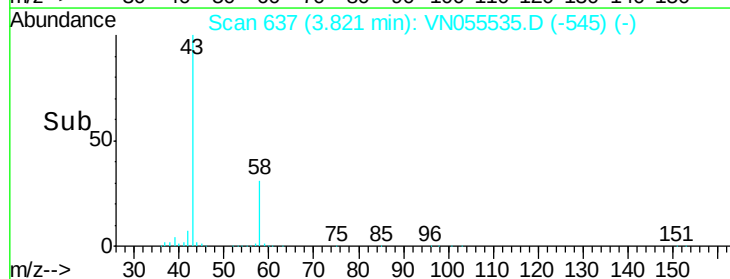
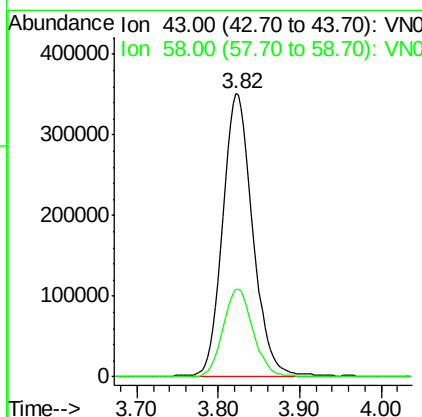
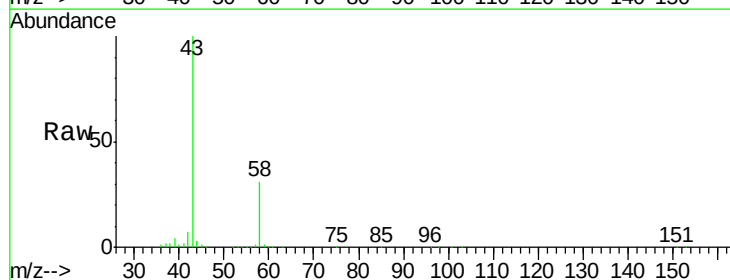
Manual Integrations
 APPROVED

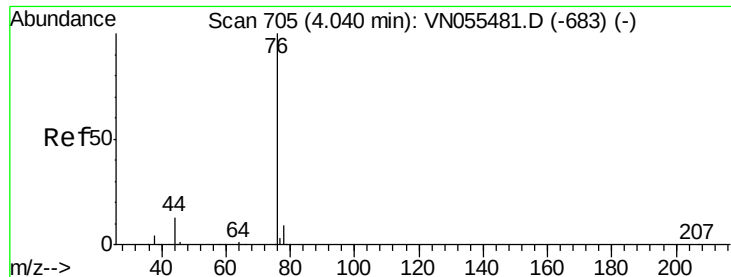
MMDadoda
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#16
 Acetone
 Concen: 189.188 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN055535.D
 Acq: 10 May 2019 7:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.2	36.2





#17

Carbon Disulfide

Concen: 49.893 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Tot Ion: 76 Resp: 1016747

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

Instrument :

MSVOA_N

ClientSampleId :

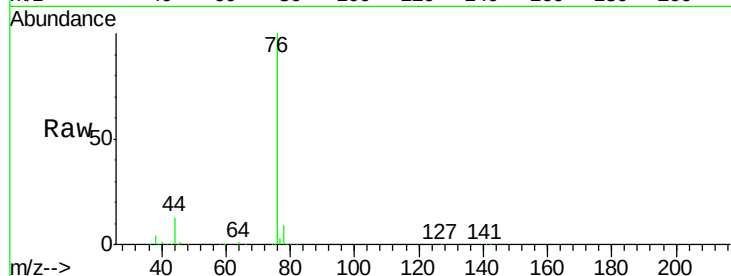
VSTDCCC050EC

Manual Integrations

APPROVED

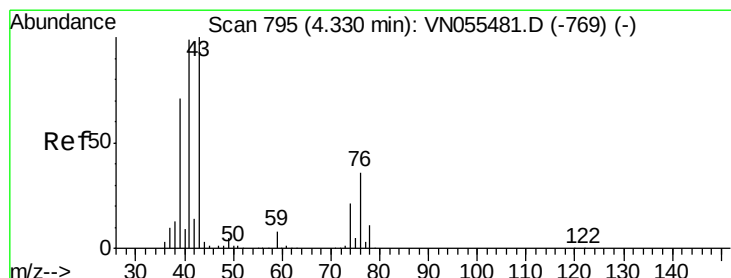
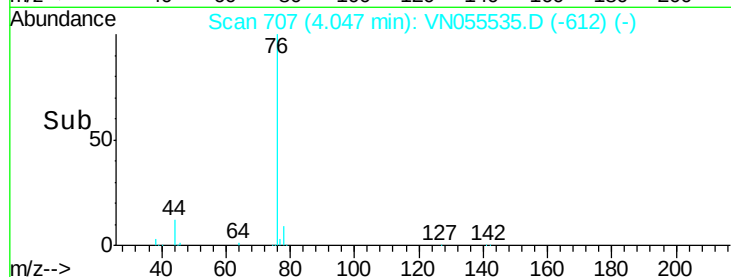
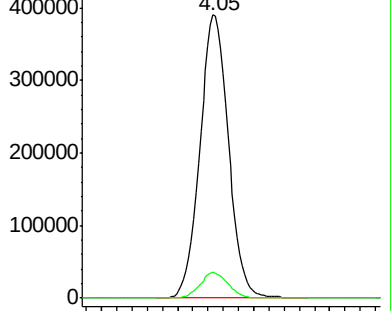
MMDadoda

5/10/2019 12:44:37 PM



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 47.034 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055535.D

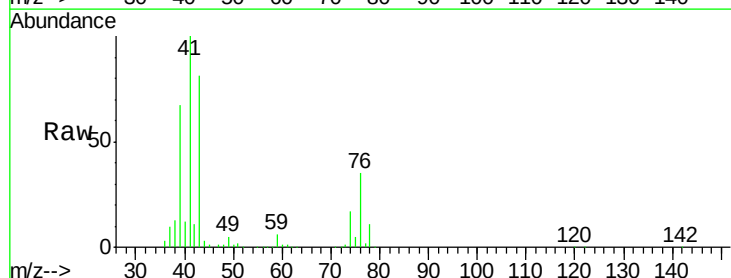
Acq: 10 May 2019 7:54

Tgt Ion: 43 Resp: 470752

Ion Ratio Lower Upper

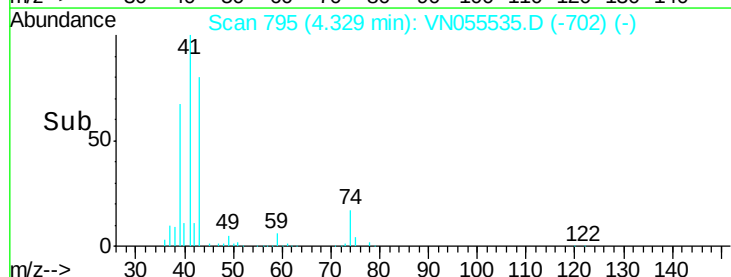
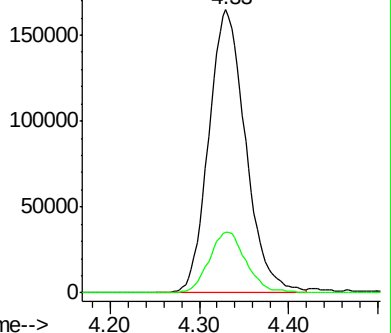
43 100

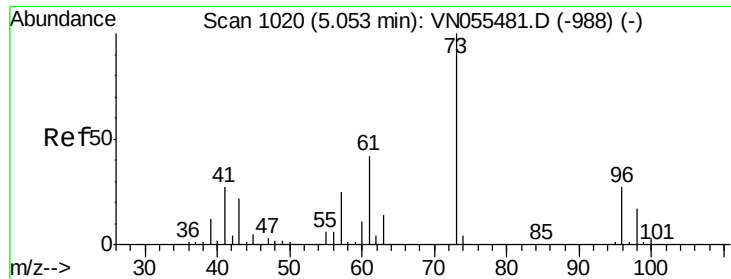
74 21.8 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





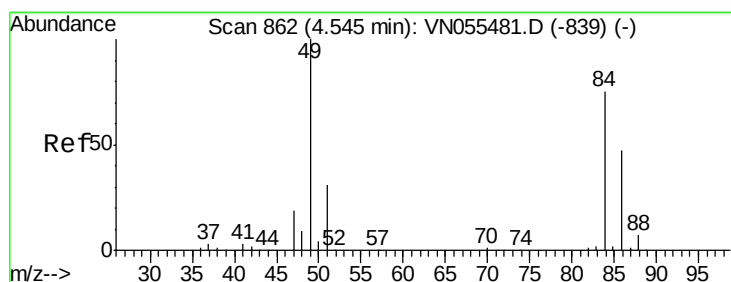
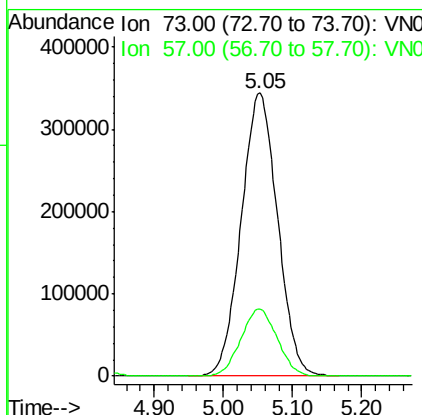
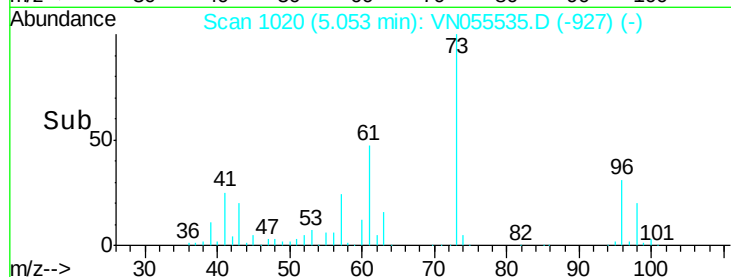
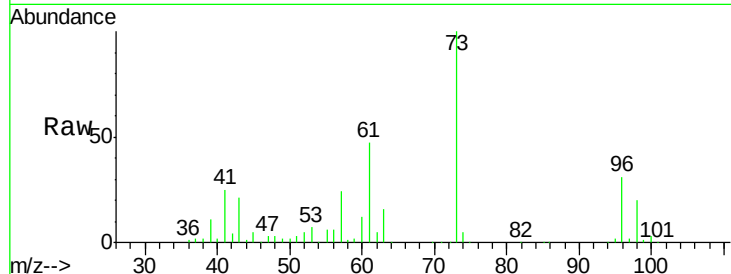
#19
Methyl tert-butyl Ether
Concen: 50.527 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1253576
Ion Ratio Lower Upper
73 100
57 23.7 20.0 30.0

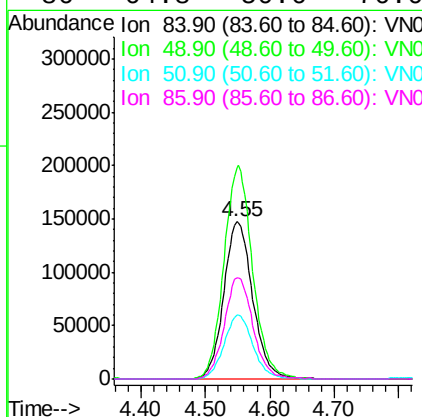
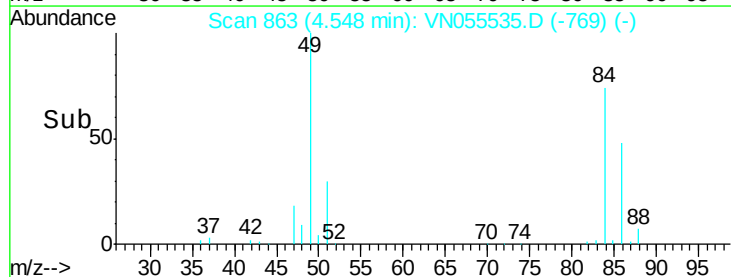
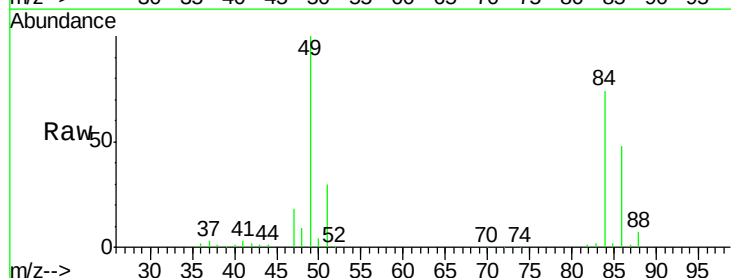
Manual Integrations
APPROVED

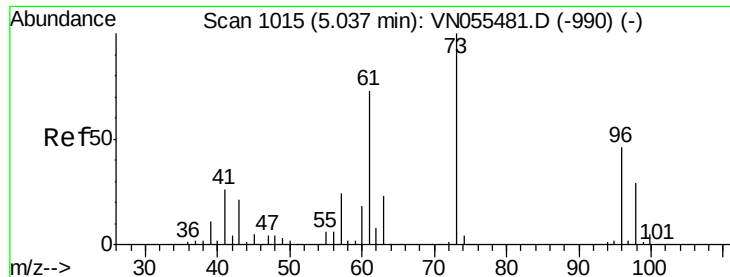
MMDadoda
5/10/2019 12:44:37 PM



#20
Methylene Chloride
Concen: 47.318 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Tgt Ion: 84 Resp: 460840
Ion Ratio Lower Upper
84 100
49 134.6 107.0 160.6
51 40.8 33.0 49.4
86 64.8 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 50.076 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 96 Resp: 405383

Ion Ratio Lower Upper

96 100

61 153.3 127.4 191.0

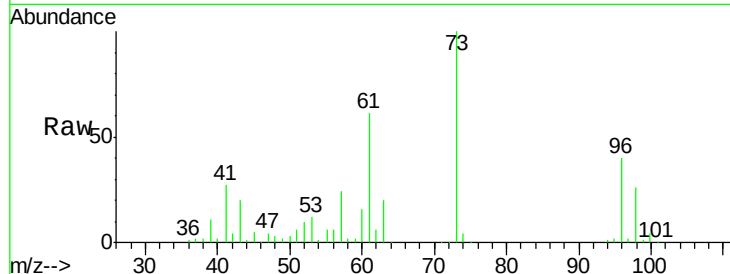
98 65.6 51.6 77.4

Manual Integrations

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5/10/2019 12:44:37 PM

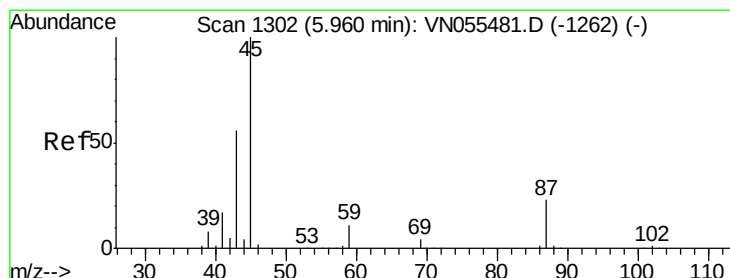
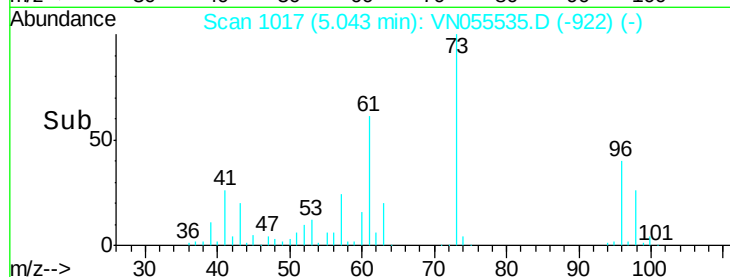
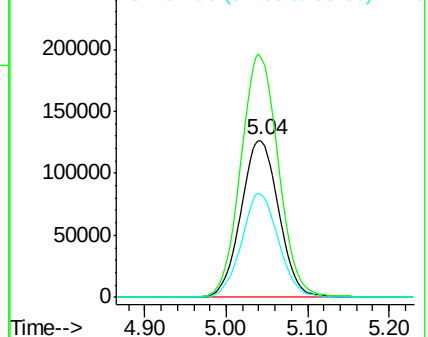


Abundance

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: 50.586 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Tgt Ion: 45 Resp: 1572269

Ion Ratio Lower Upper

45 100

43 59.7 44.6 66.8

87 24.9 18.6 28.0

59 11.2 8.6 12.8

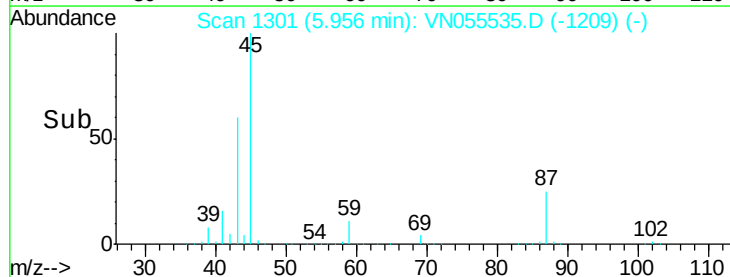
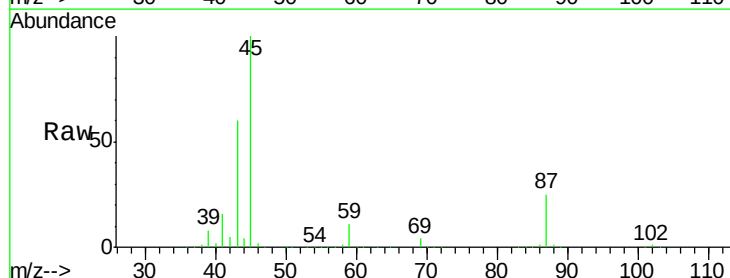
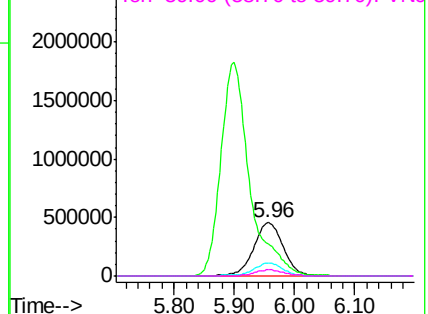
Abundance

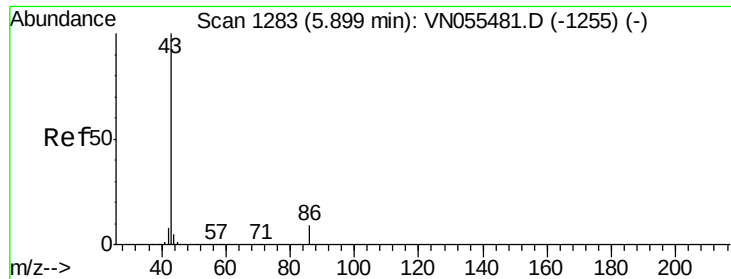
Ion 45.00 (44.70 to 45.70): VNO

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: 251.867 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Tot Ion: 43 Resp: 6054113

Ion Ratio Lower Upper

43 100

86 9.0 7.1 10.7

Instrument :

MSVOA_N

ClientSampleId :

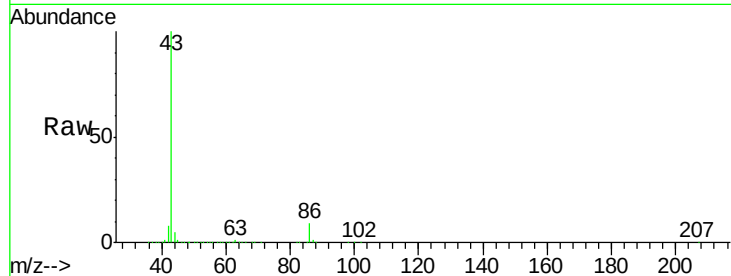
VSTDCCC050EC

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

2000000

1500000

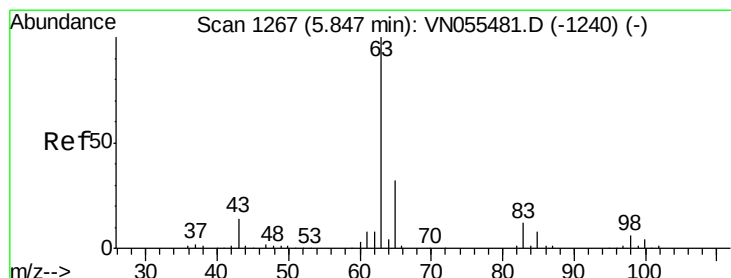
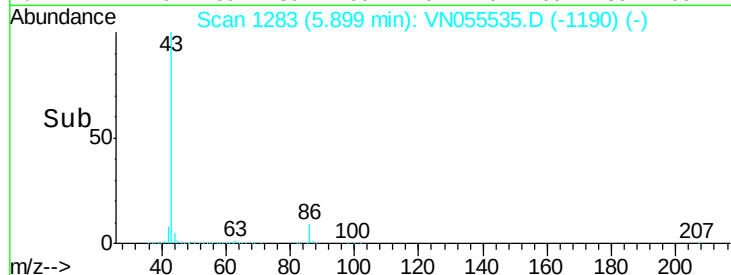
1000000

500000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 49.908 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

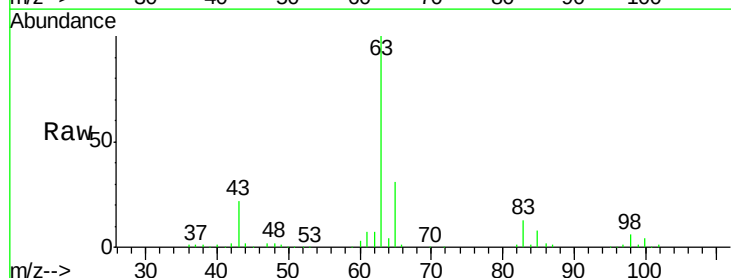
Tgt Ion: 63 Resp: 837369

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.0

100 3.5 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.85

300000

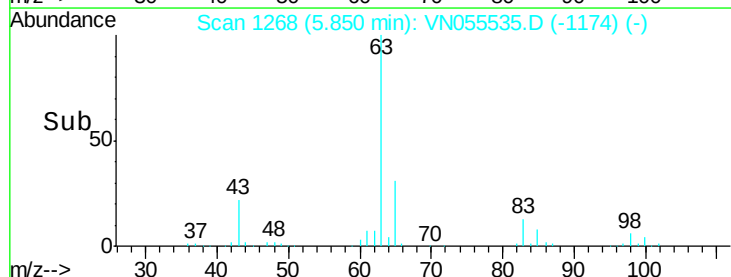
200000

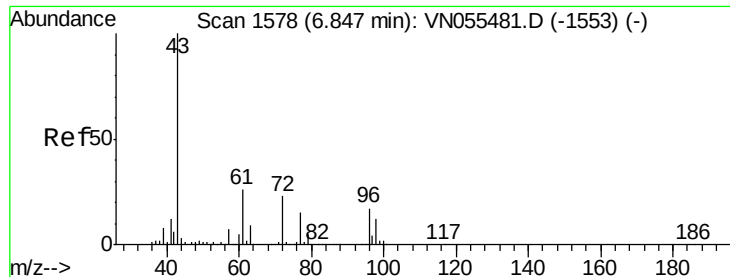
100000

0

5.70 5.80 5.90 6.00

Time-->





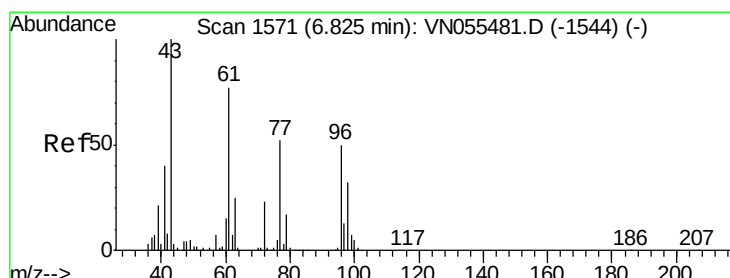
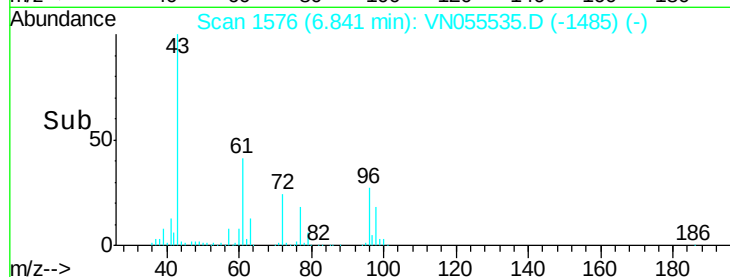
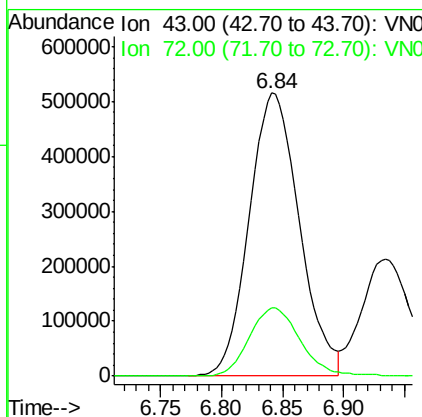
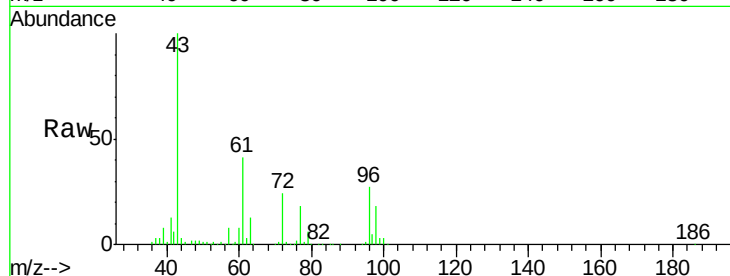
#25
2-Butanone
Concen: 222.989 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.01 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1467100
Ion Ratio Lower Upper
43 100
72 24.1 18.6 27.8

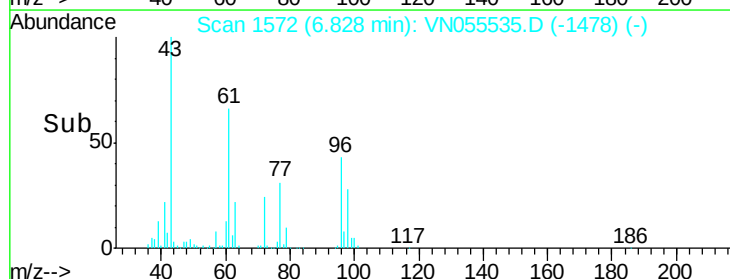
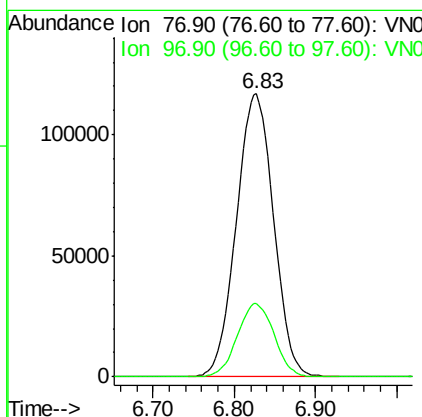
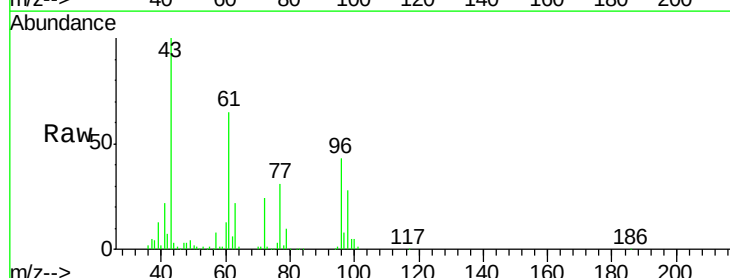
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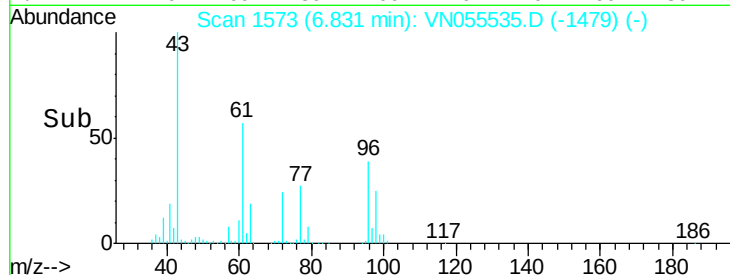
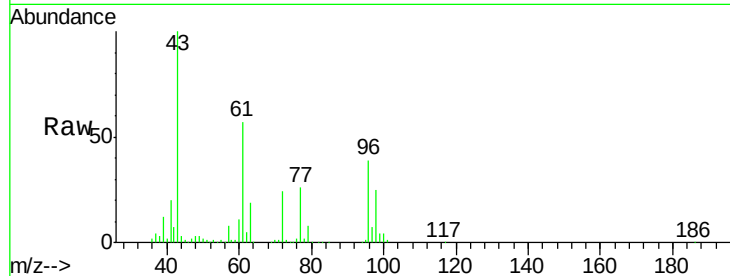
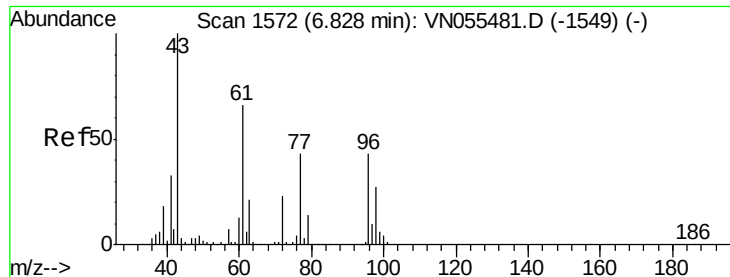
MMDadoda
5/10/2019 12:44:37 PM



#26
2,2-Dichloropropane
Concen: 35.293 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Tgt Ion: 77 Resp: 369139
Ion Ratio Lower Upper
77 100
97 25.5 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 50.870 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Tot Ion:	96	Resp:	475926
Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	310.8
98	64.9	0.0	129.4

Instrument :

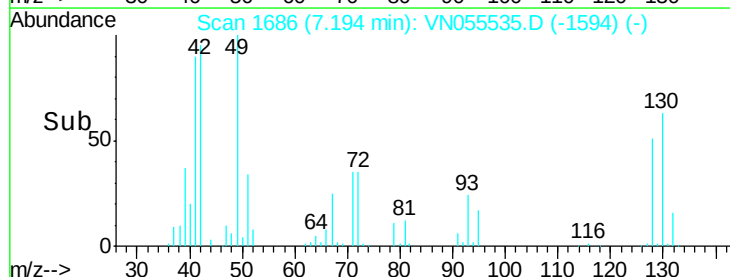
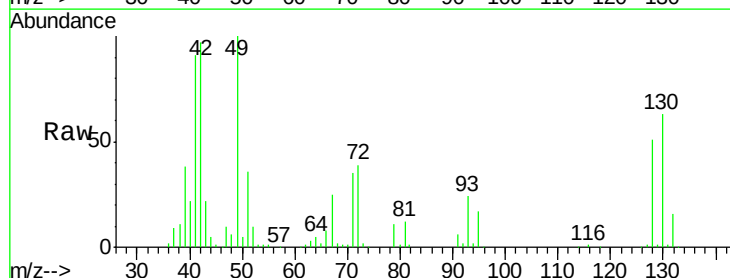
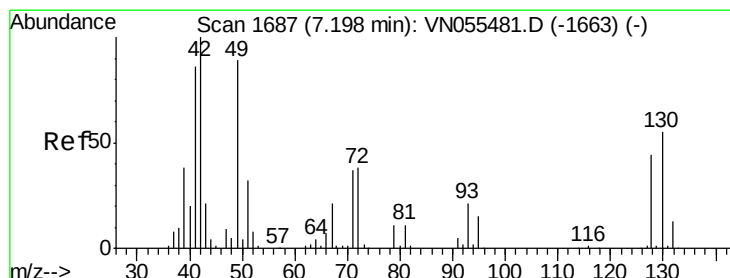
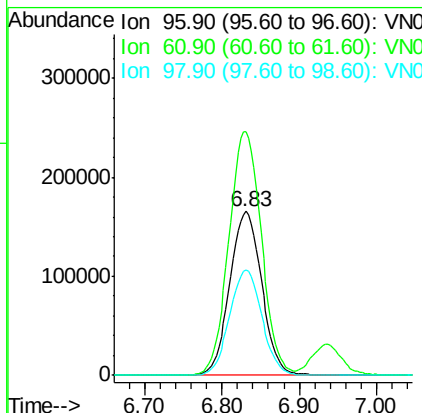
MSVOA_N

ClientSampleId :

VSTDCCC050EC

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#28

Bromochloromethane

Concen: 50.654 ug/l

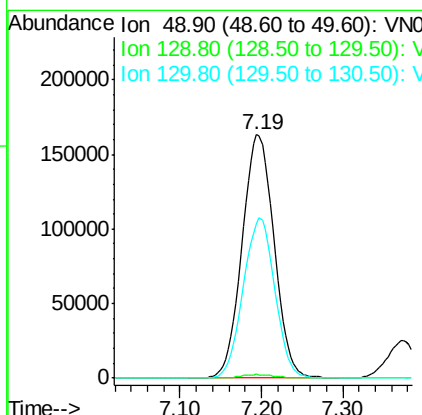
RT: 7.19 min Scan# 1686

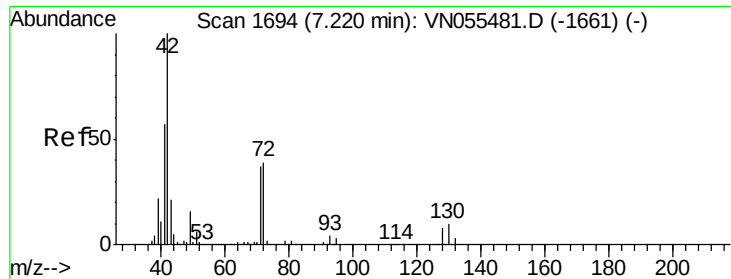
Delta R.T. -0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Tgt Ion:	49	Resp:	441365
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.2
130	64.9	49.5	74.3





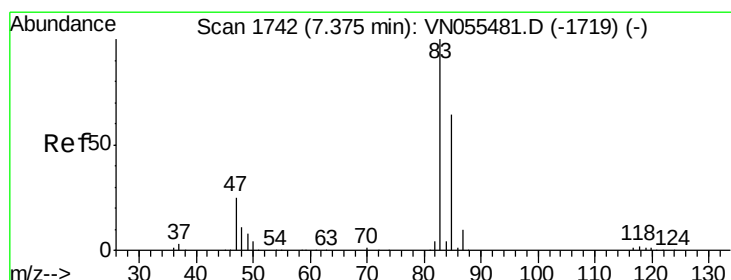
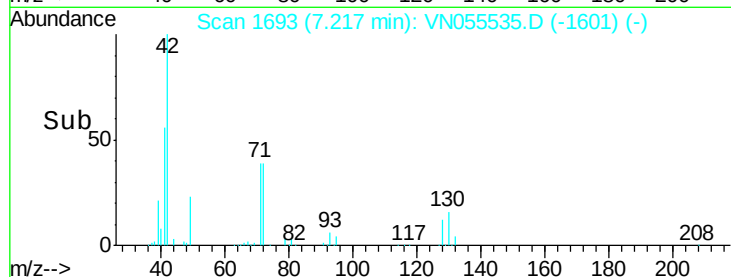
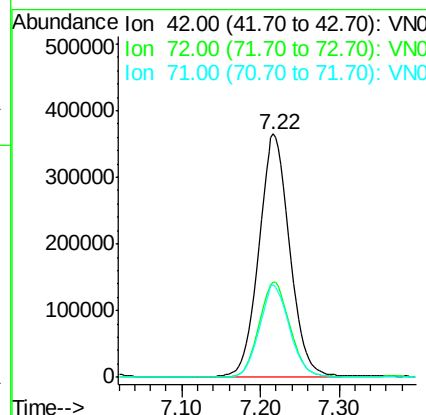
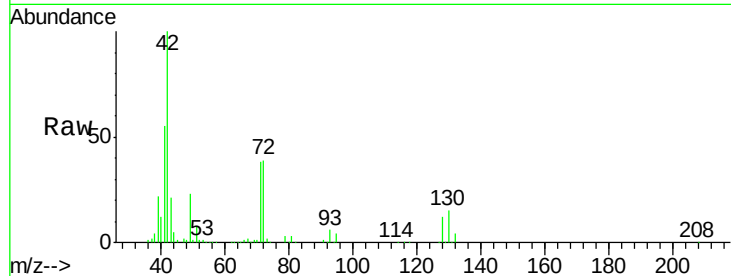
#29
Tetrahydrofuran
Concen: 232.545 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 1011439
Ion Ratio Lower Upper
42 100
72 39.4 31.0 46.6
71 37.3 29.4 44.2

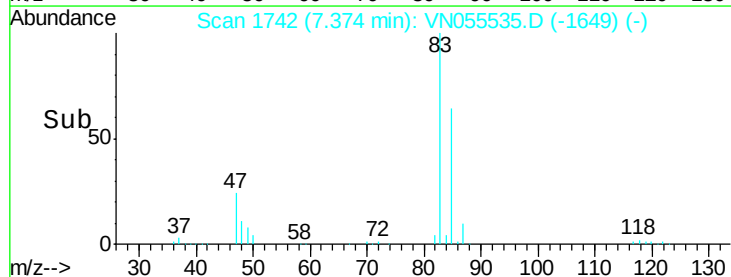
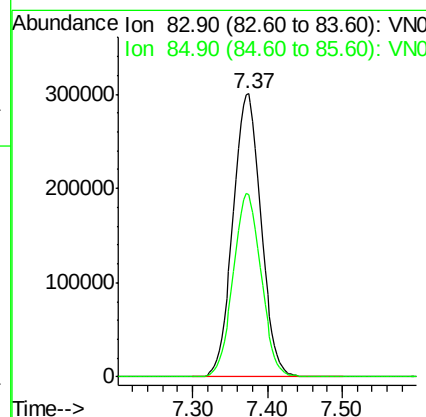
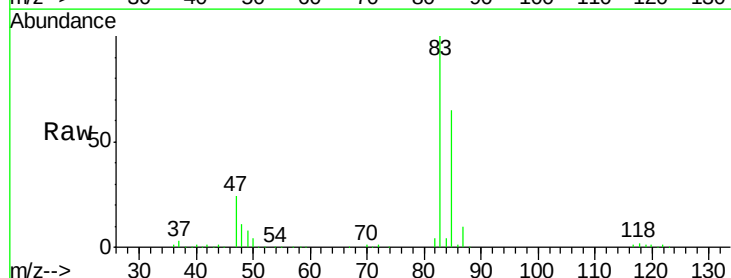
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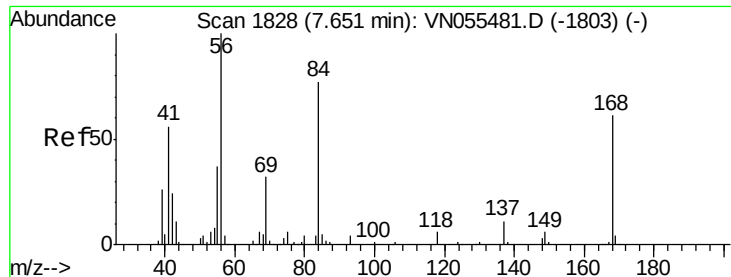
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#30
Chloroform
Concen: 50.565 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Tgt Ion: 83 Resp: 784296
Ion Ratio Lower Upper
83 100
85 64.5 51.3 76.9





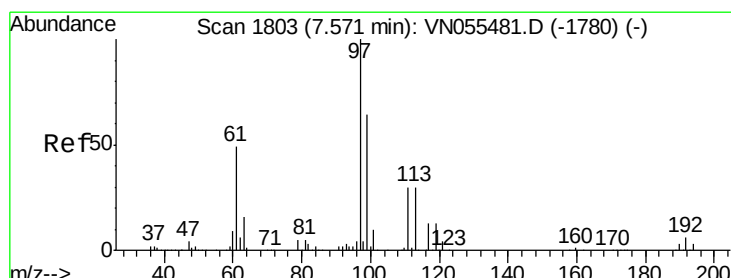
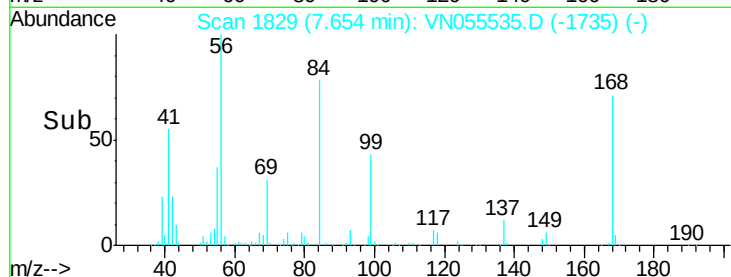
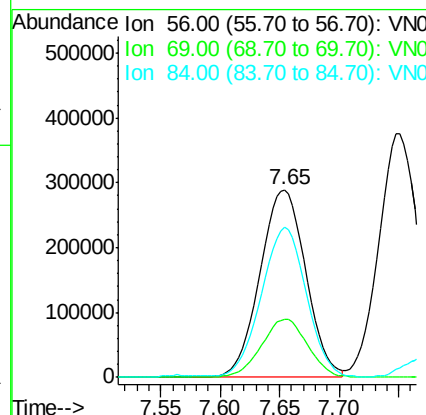
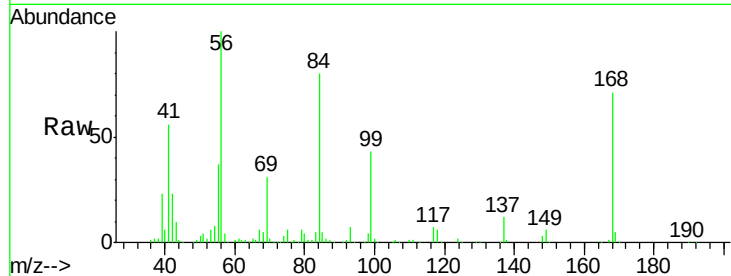
#31
Cyclohexane
Concen: 46.464 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	771339
Ion	Ratio	Lower	Upper
56	100		
69	30.8	26.0	39.0
84	78.8	61.9	92.9

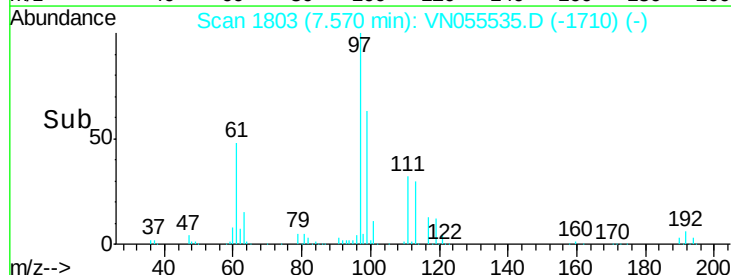
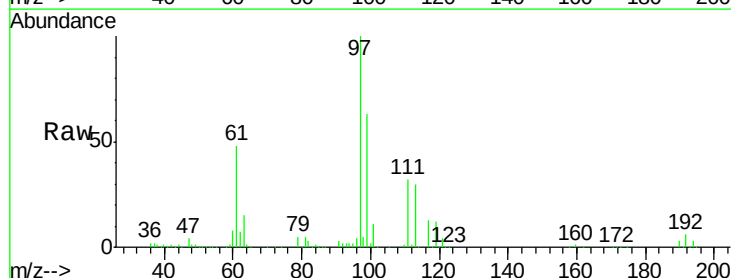
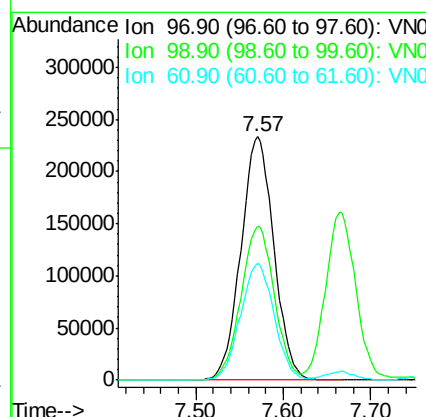
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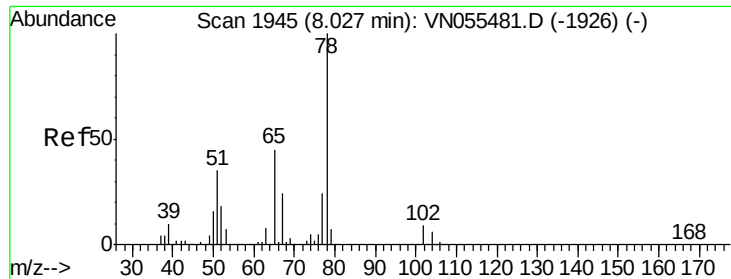
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#32
1,1,1-Trichloroethane
Concen: 51.611 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Tgt Ion	97	Resp	609608
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.2	76.8
61	49.2	39.2	58.8





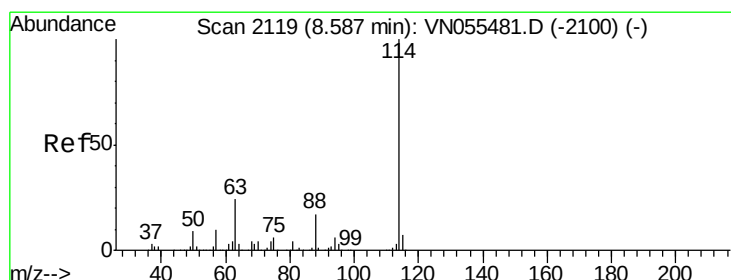
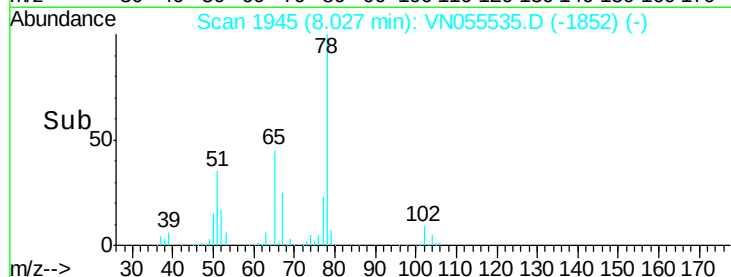
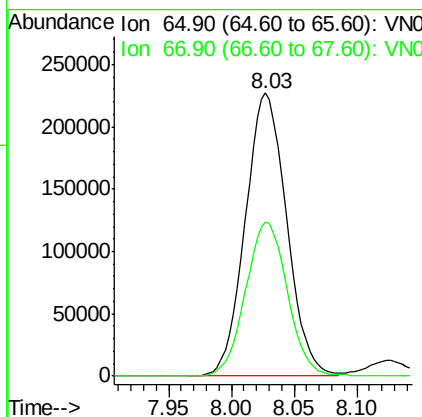
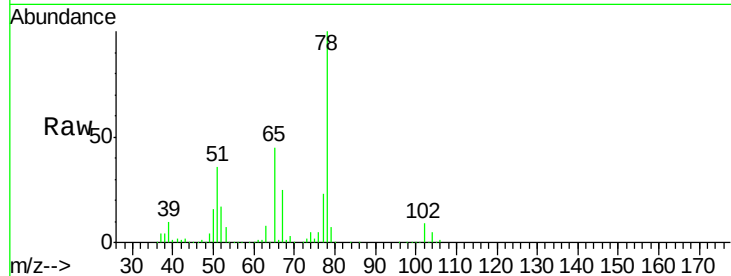
#33
 1,2-Dichloroethane-d4
 Concen: 50.690 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055535.D
 Acq: 10 May 2019 7:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	521408		
67	55.2	0.0	109.6	

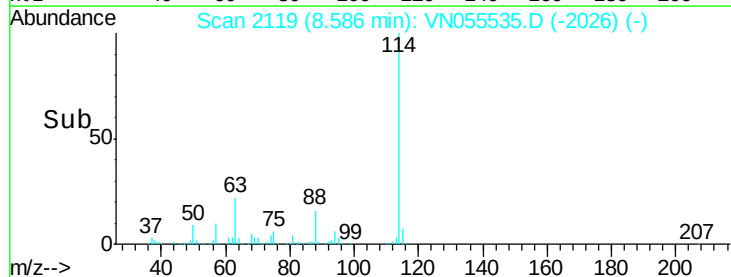
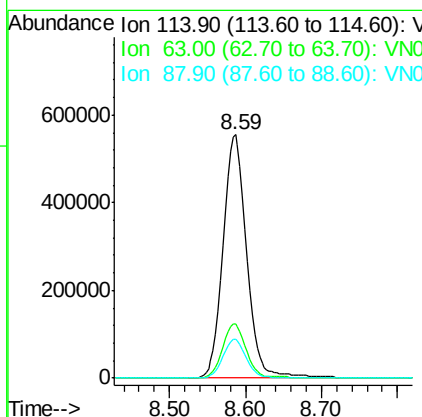
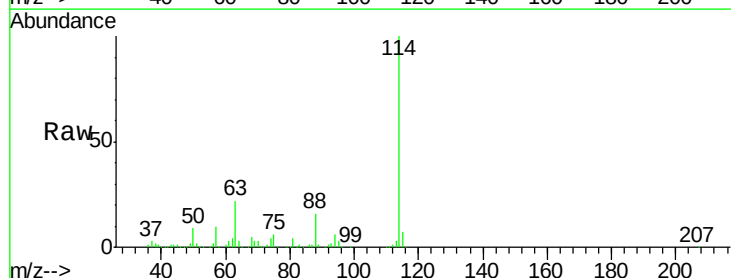
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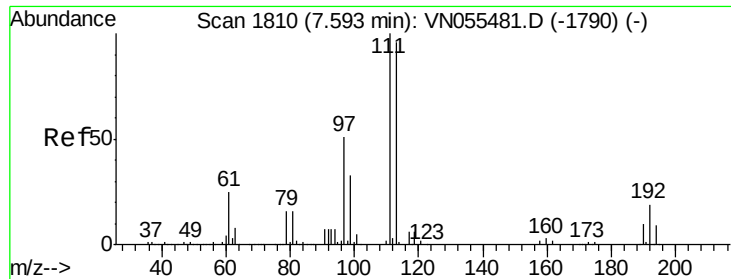
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055535.D
 Acq: 10 May 2019 7:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1209206		
63	22.4	0.0	47.4	
88	16.1	0.0	34.0	





#35

Dibromofluoromethane

Concen: 52.237 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Instrument :

MSVOA_N

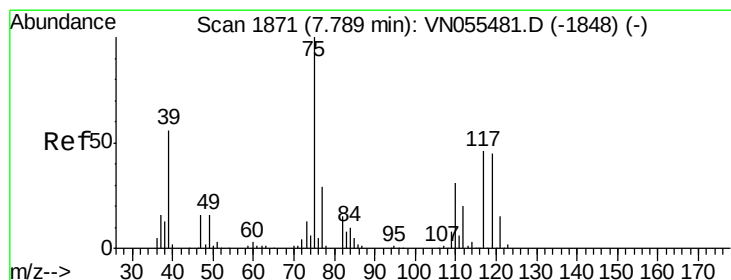
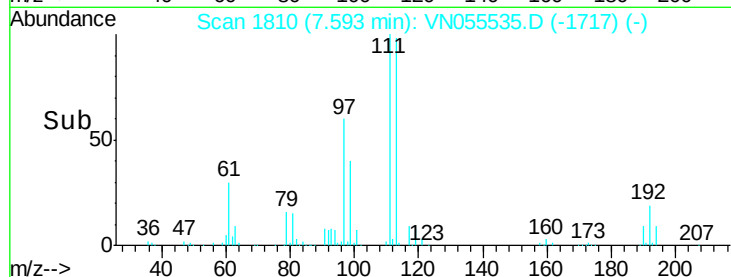
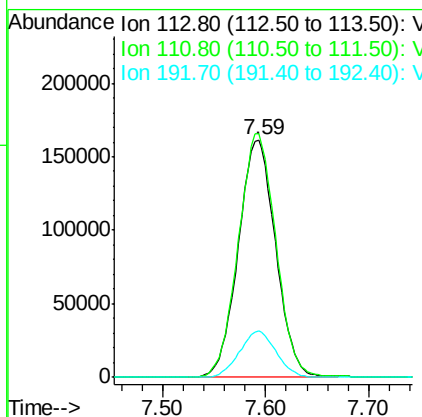
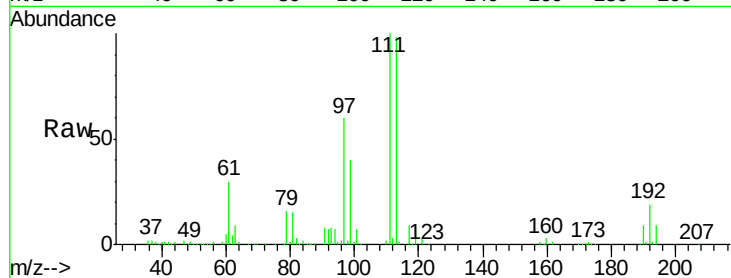
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	407467
Ion Ratio	Lower	Upper	
113	100		
111	103.3	82.9	124.3
192	19.1	15.6	23.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.944 ug/l

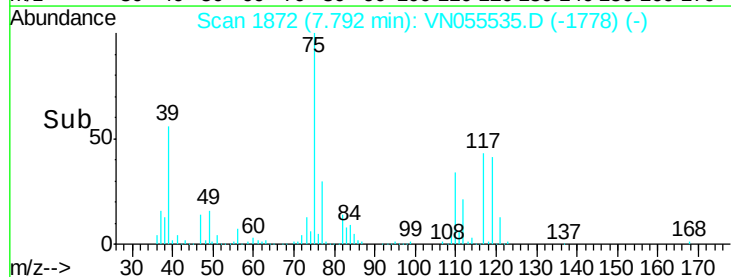
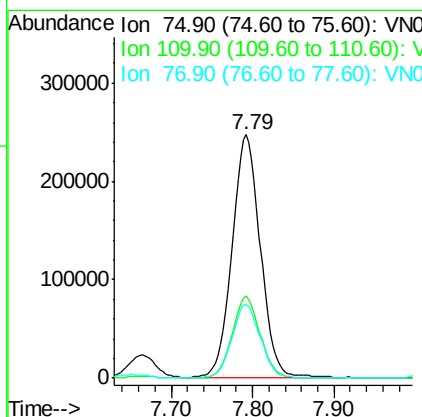
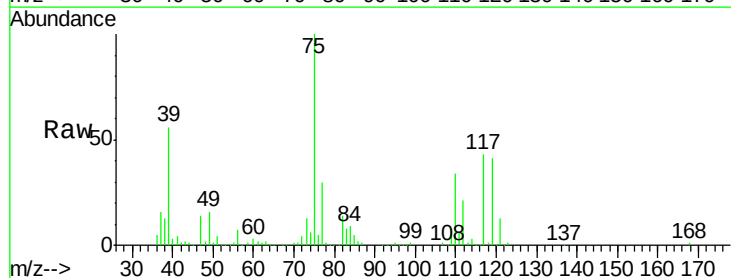
RT: 7.79 min Scan# 1872

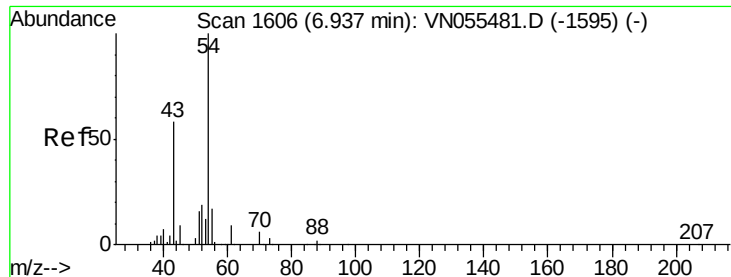
Delta R.T. 0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Tgt Ion:	75	Resp:	594973
Ion Ratio	Lower	Upper	
75	100		
110	33.3	16.1	48.3
77	30.8	24.6	37.0





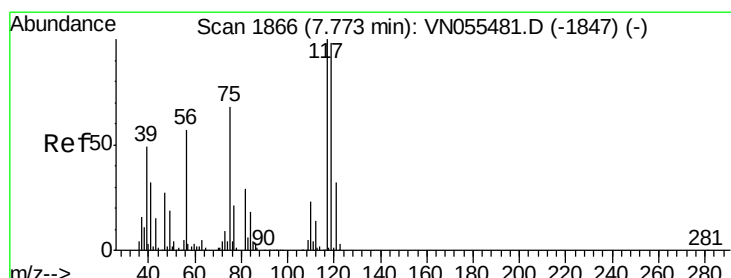
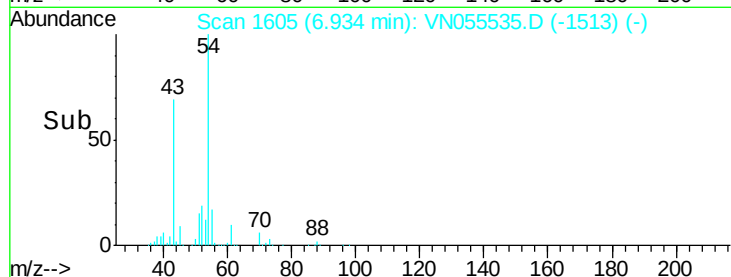
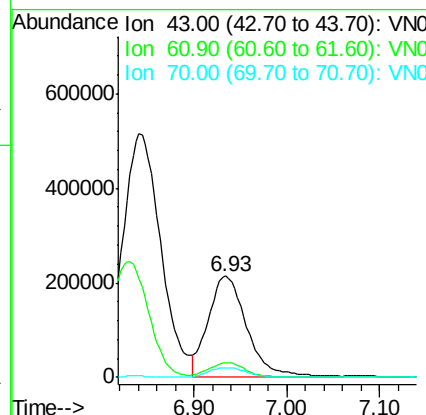
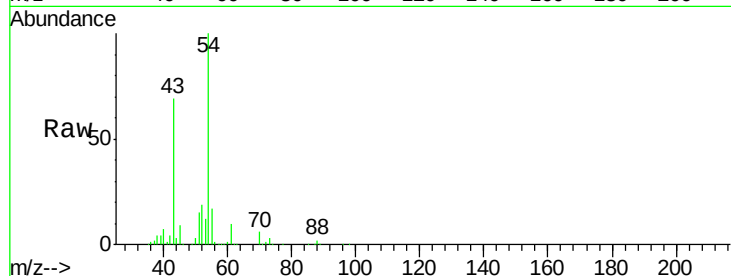
#37
Ethyl Acetate
Concen: 46.529 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.9	16.3
70	9.4	7.0	10.6

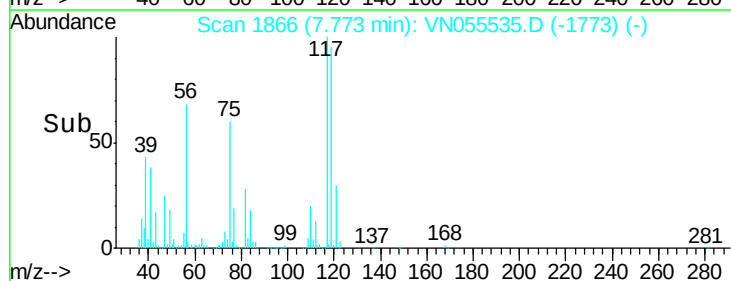
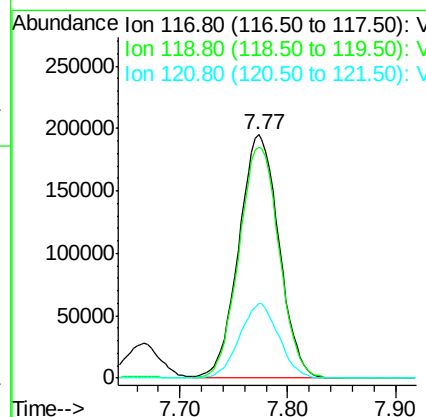
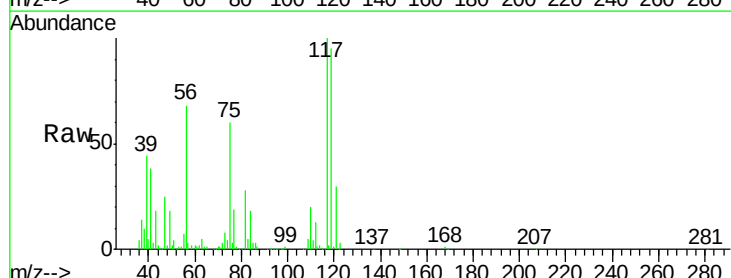
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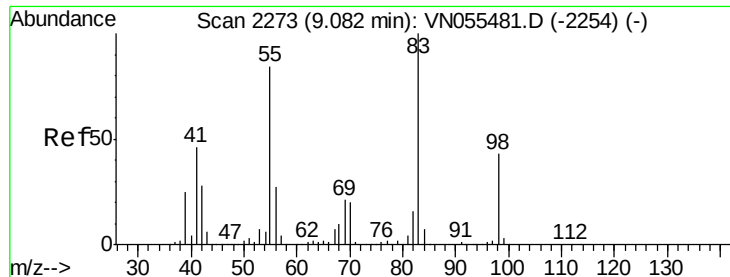
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#38
Carbon Tetrachloride
Concen: 50.136 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.8	116.6
121	30.5	25.2	37.8





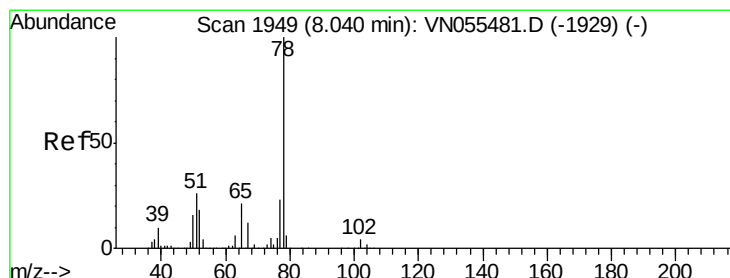
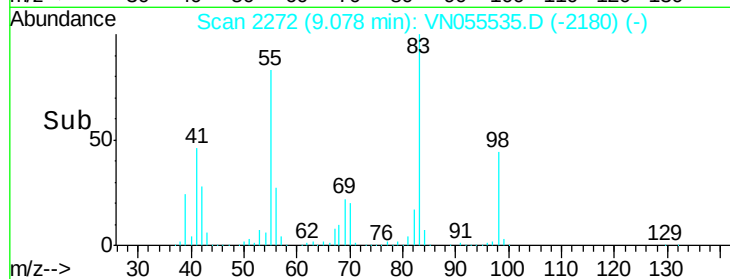
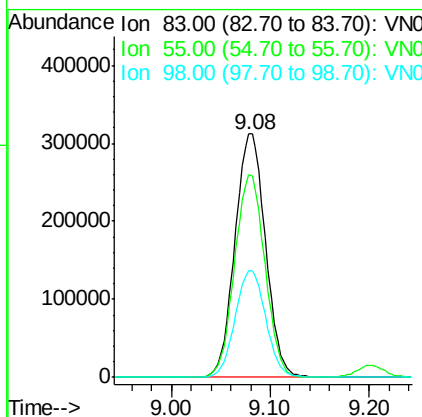
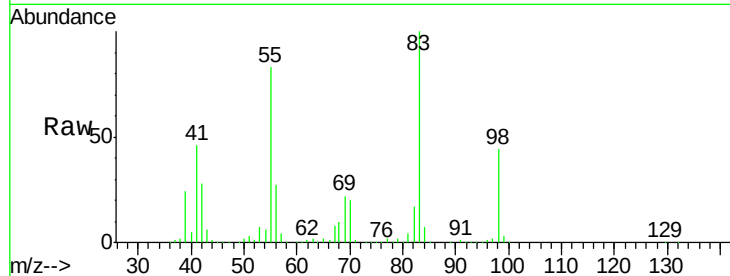
#39
Methylvlcyclohexane
Concen: 46.033 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.9	67.0	100.4
98	43.6	34.2	51.4

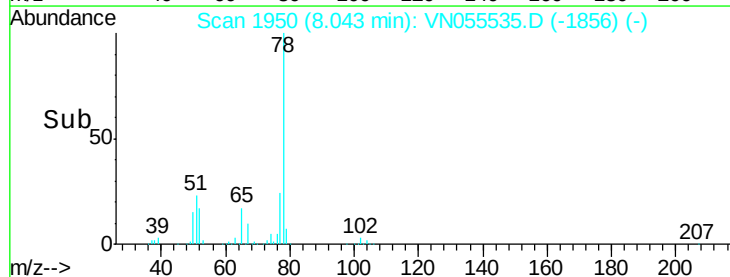
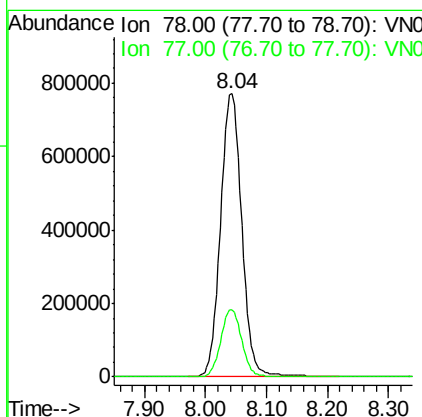
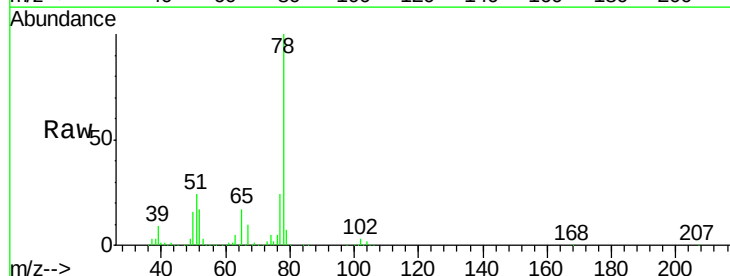
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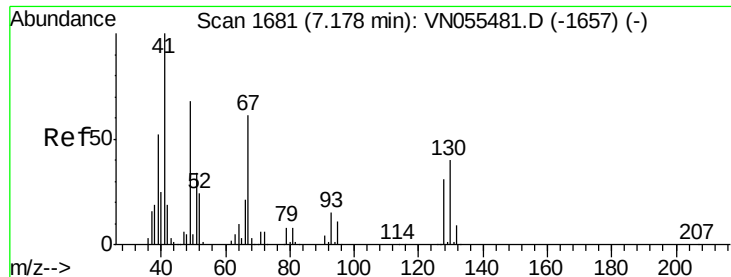
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#40
Benzene
Concen: 50.333 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.6	27.8





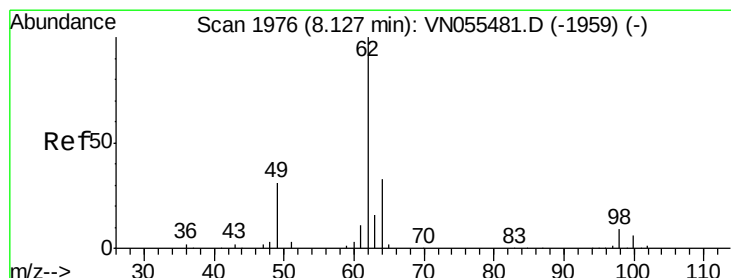
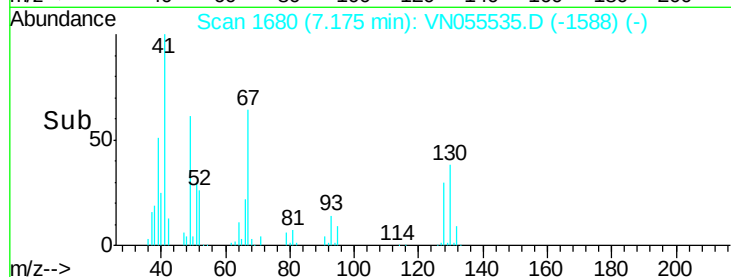
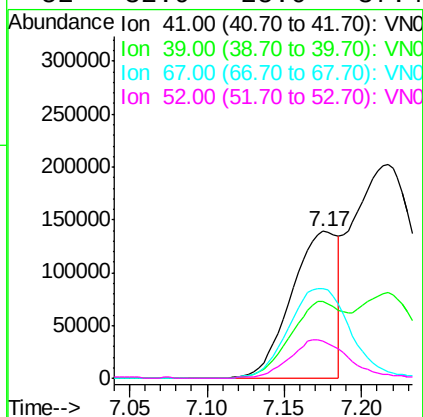
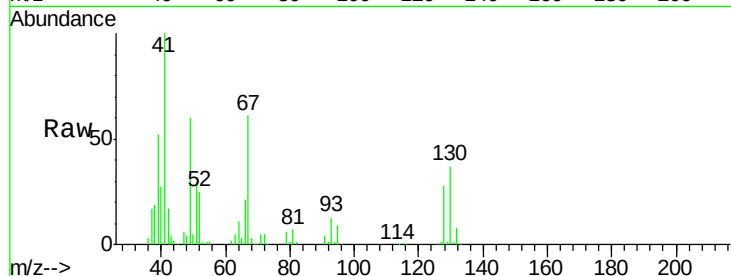
#41
Methacrylonitrile
Concen: 47.941 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		289150		
39	59.8	44.7	67.1		
67	82.2	61.4	92.0		
52	32.9	25.0	37.4		

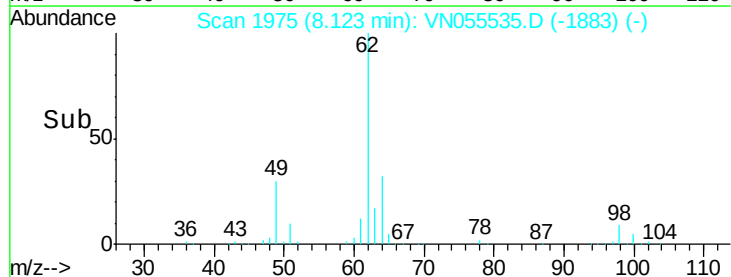
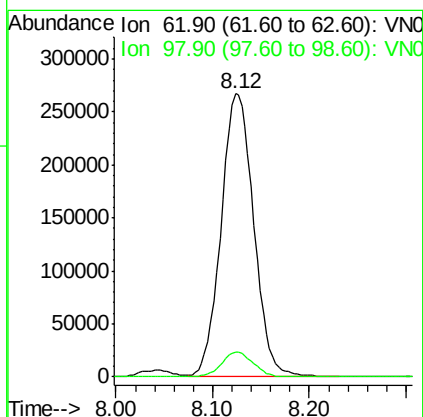
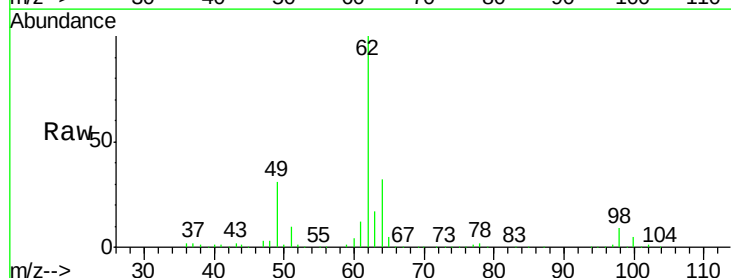
Manual Integrations
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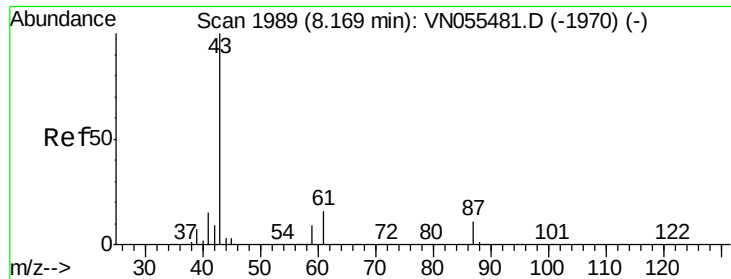
MMDadoda
5/10/2019 12:44:37 PM



#42
1,2-Dichloroethane
Concen: 48.062 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		624299		
98	8.6	0.0	17.4		





#43

Isopropyl Acetate

Concen: 48.695 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Instrument :

MSVOA_N

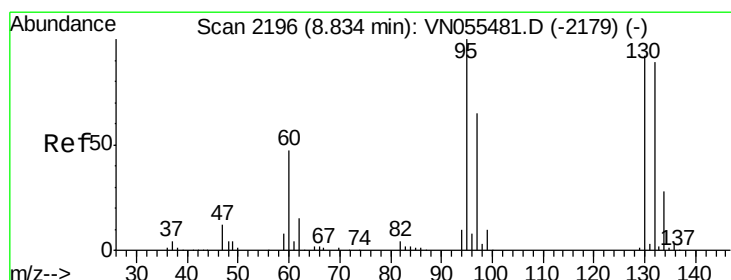
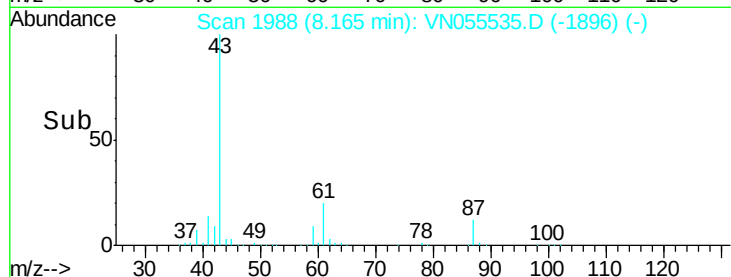
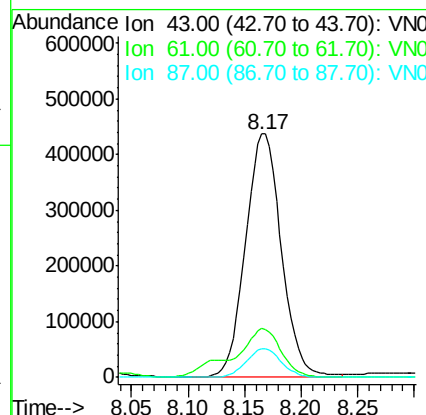
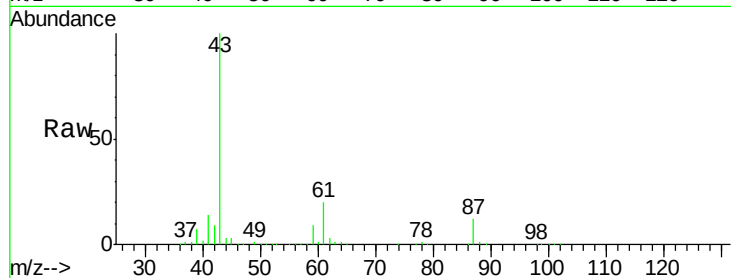
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	961354
Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.1	22.7
87	11.7	9.0	13.6

Manual Integrations
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5/10/2019 12:44:37 PM



#44

Trichloroethene

Concen: 49.707 ug/l

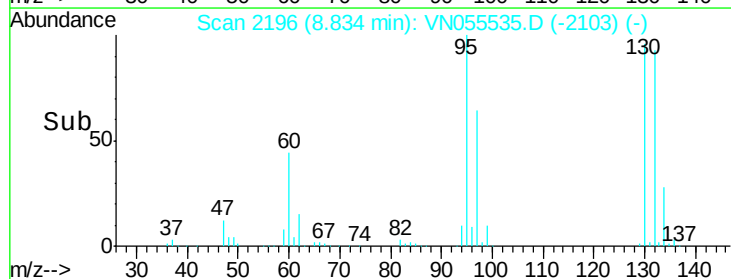
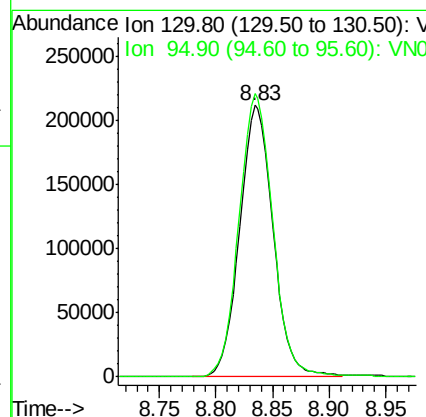
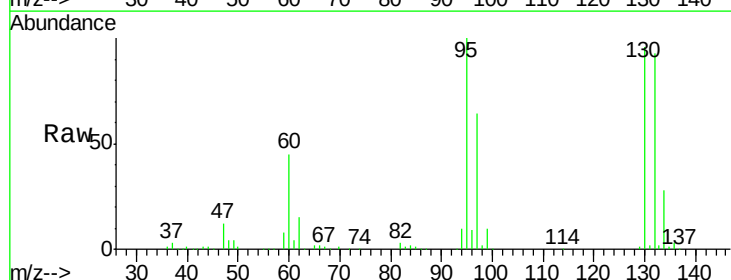
RT: 8.83 min Scan# 2196

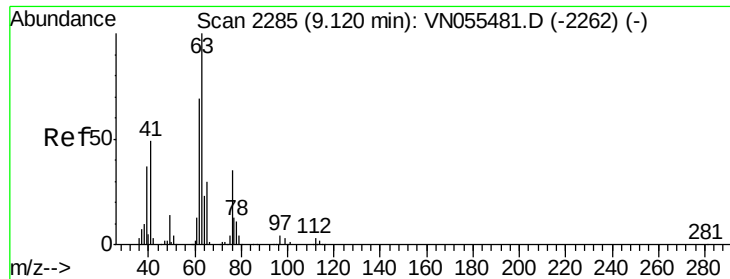
Delta R.T. -0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Tgt Ion:	130	Resp:	437283
Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	216.8





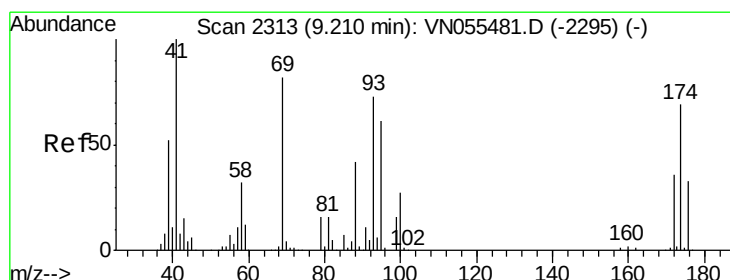
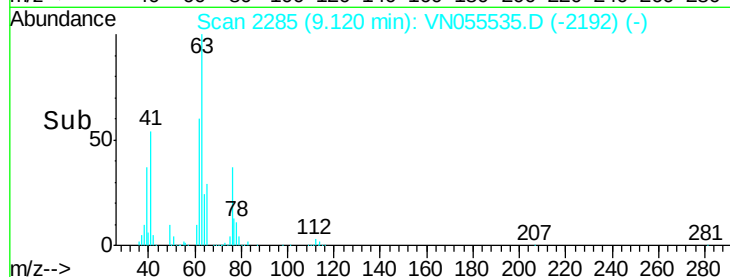
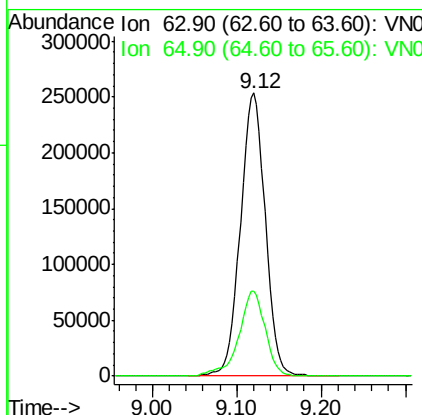
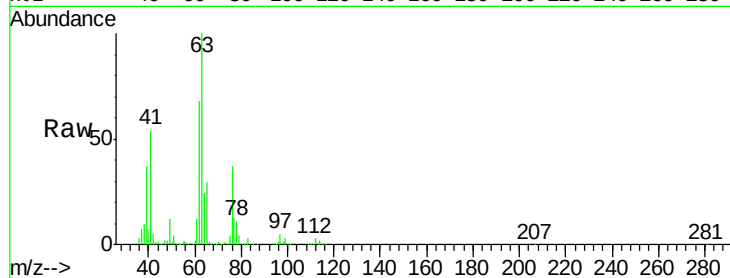
#45
 1,2-Dichloropropane
 Concen: 49.356 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN055535.D
 Acq: 10 May 2019 7:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.1	36.1

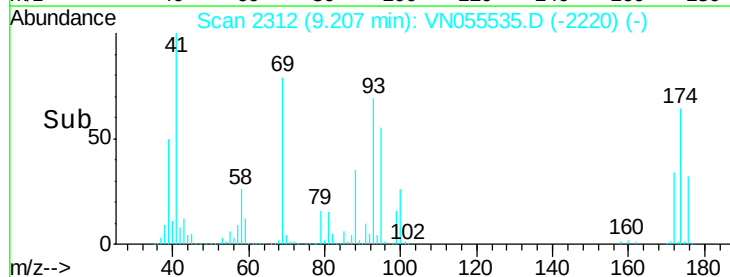
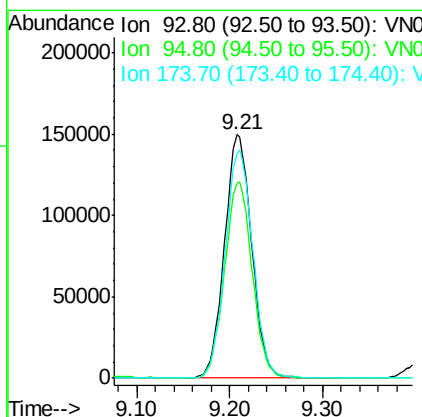
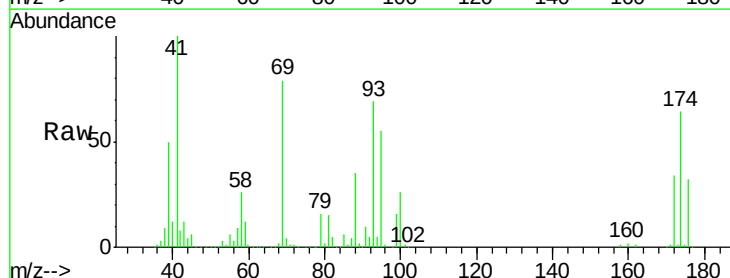
Manual Integrations
 APPROVED

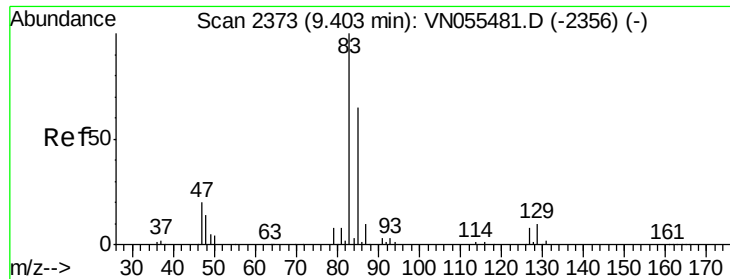
MMDadoda
 5/10/2019 12:44:37 PM



#46
 Dibromomethane
 Concen: 49.688 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055535.D
 Acq: 10 May 2019 7:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.3	64.8	97.2
174	95.0	75.0	112.6





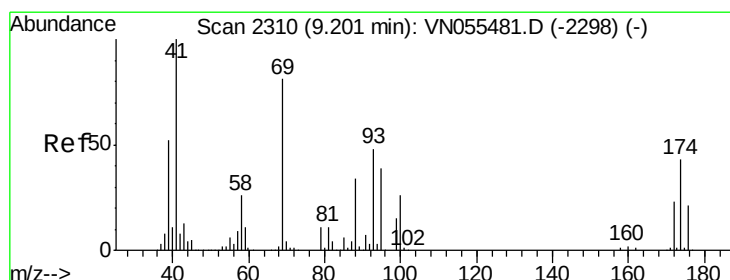
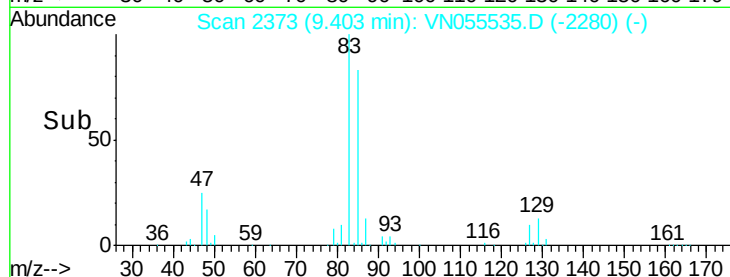
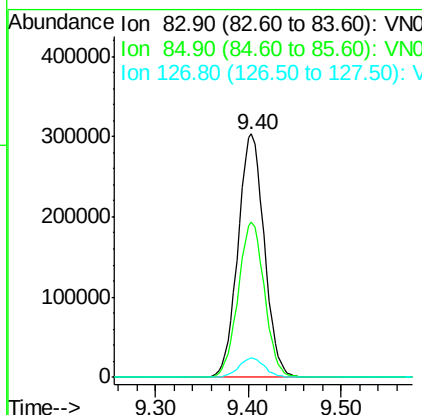
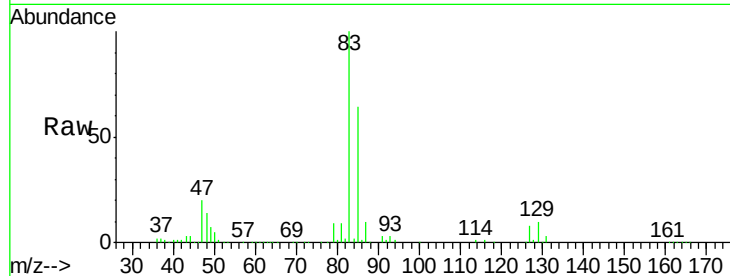
#47
Bromodichloromethane
Concen: 50.794 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.9	52.2	78.2	
127	7.8	6.5	9.7	

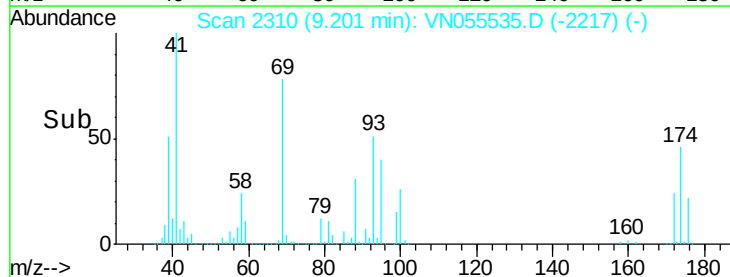
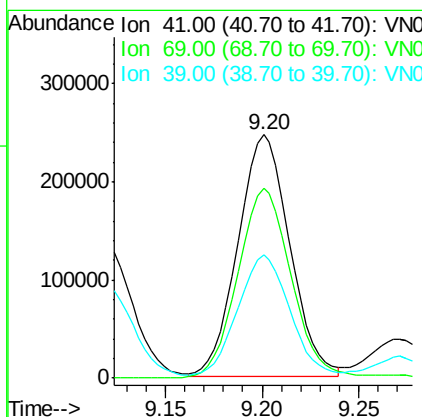
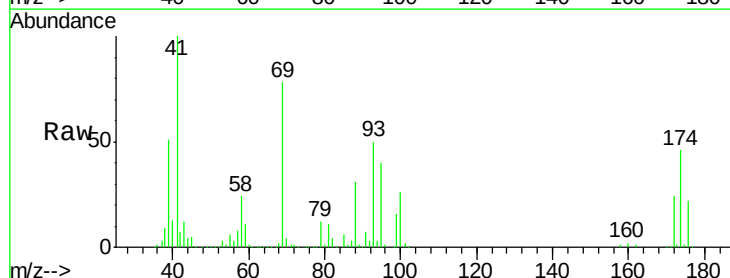
Manual Integrations
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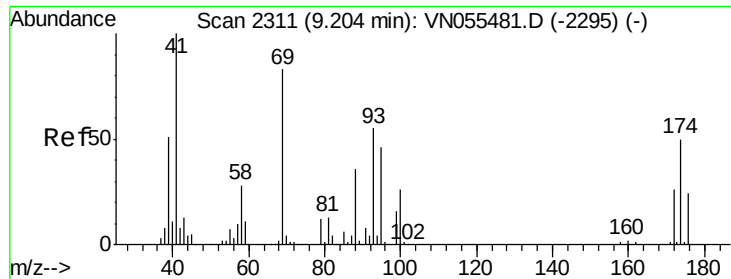
MMDadoda
5/10/2019 12:44:37 PM



#48
Methyl methacrylate
Concen: 48.450 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	80.5	64.2	96.2	
39	51.5	41.6	62.4	





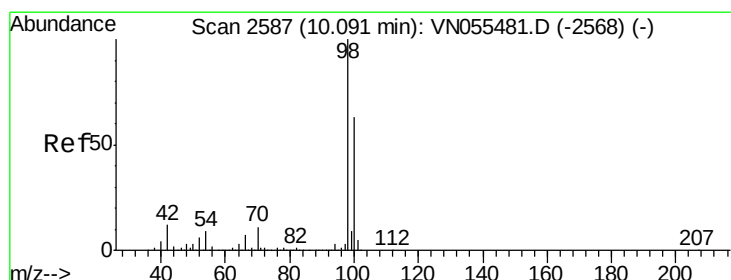
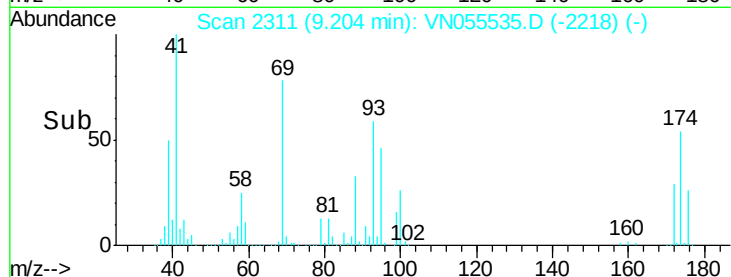
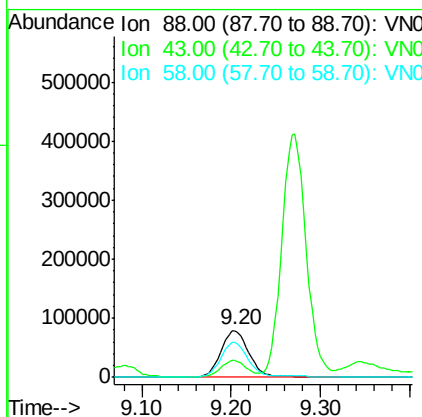
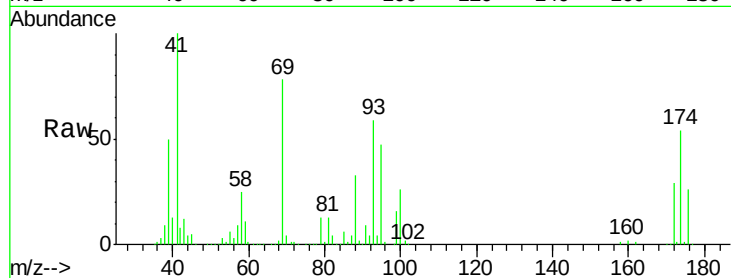
#49
1,4-Dioxane
Concen: 932.748 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	172924
Ion	Ratio	Lower	Upper
88	100		
43	32.6	27.8	41.8
58	72.9	61.8	92.6

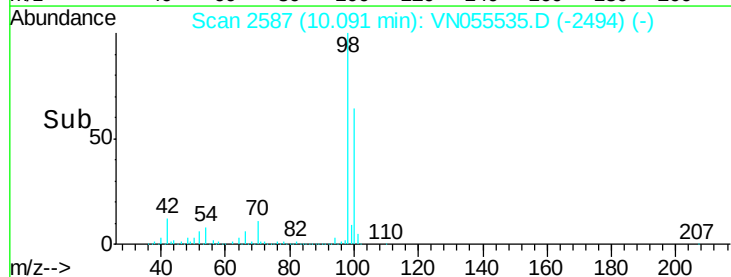
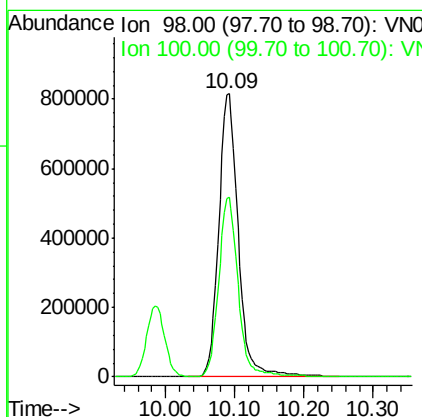
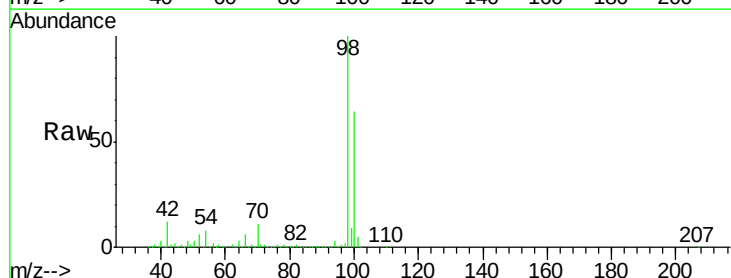
Manual Integrations
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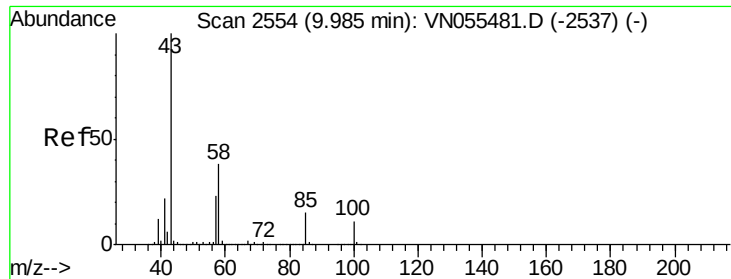
MMDadoda
5/10/2019 12:44:37 PM



#50
Toluene-d8
Concen: 52.551 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Tgt Ion	98	Resp	1597390
Ion	Ratio	Lower	Upper
98	100		
100	62.7	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 230.845 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2997350

Ion Ratio Lower Upper

43 100

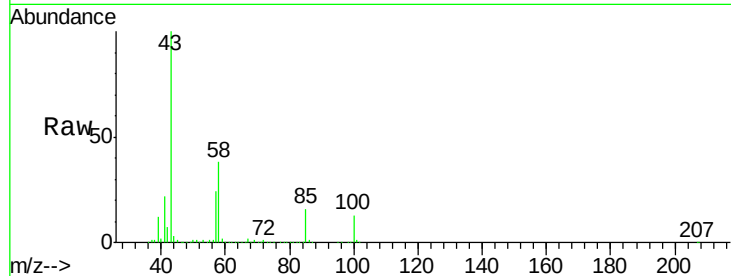
58 38.1 29.9 44.9

Manual Integrations

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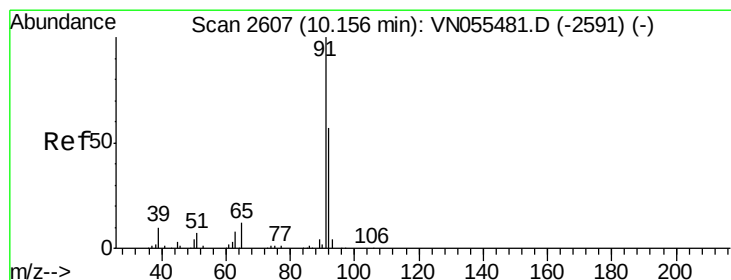
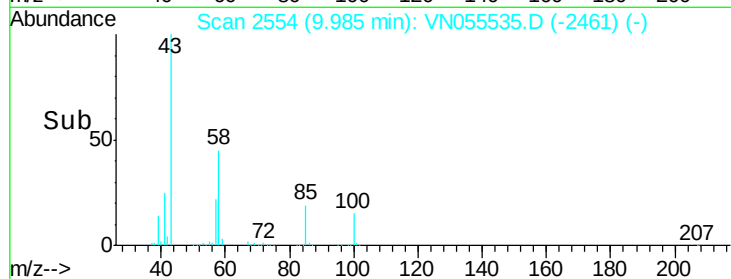
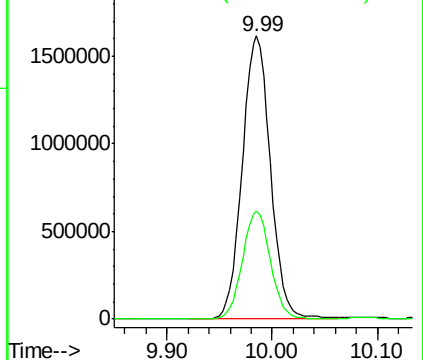
MMDadoda

5/10/2019 12:44:37 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.649 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055535.D

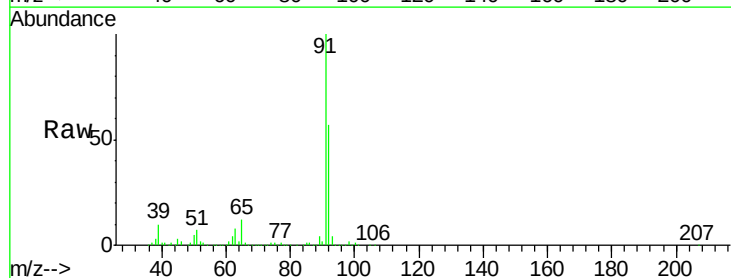
Acq: 10 May 2019 7:54

Tgt Ion: 92 Resp: 1070556

Ion Ratio Lower Upper

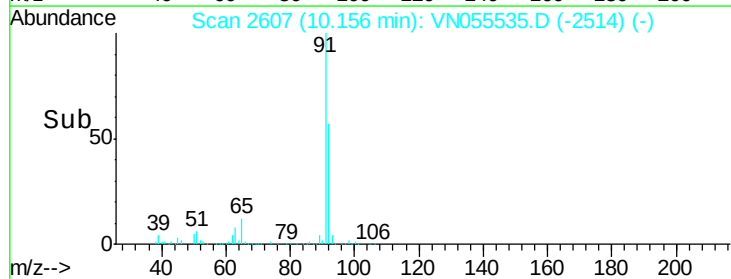
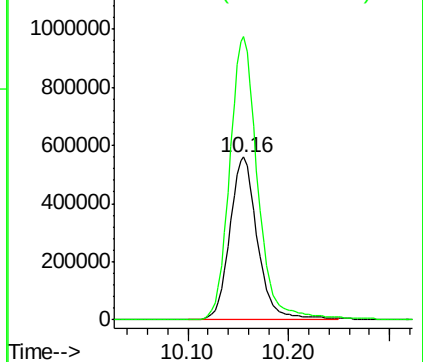
92 100

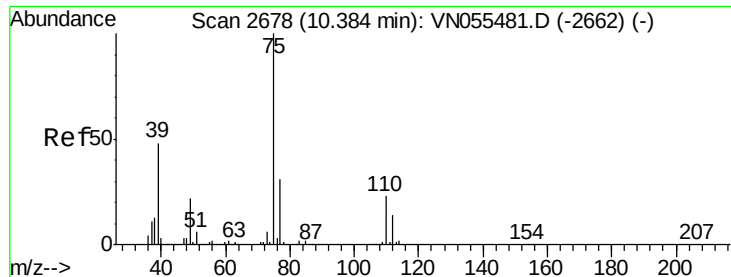
91 177.3 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





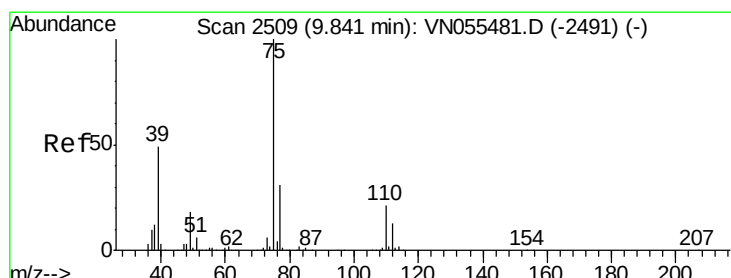
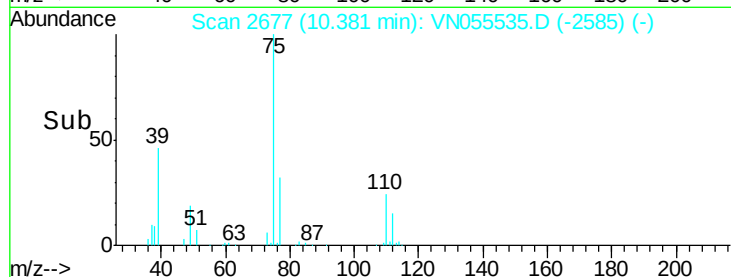
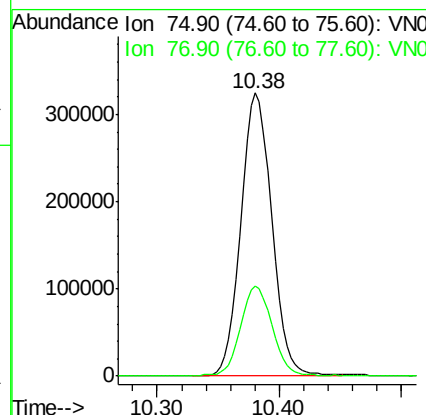
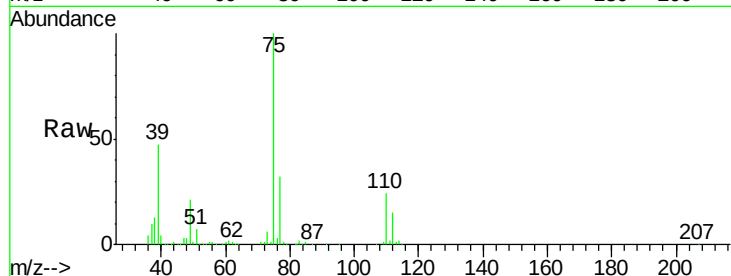
#53
t-1,3-Dichloropropene
Concen: 50.562 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7

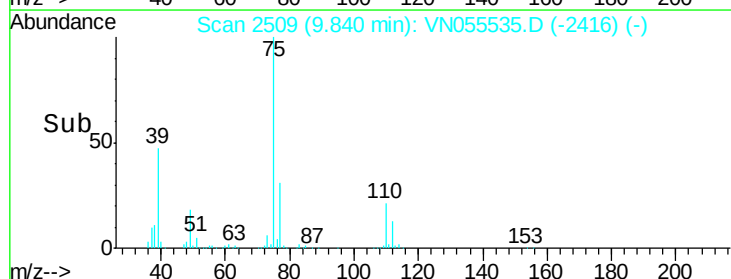
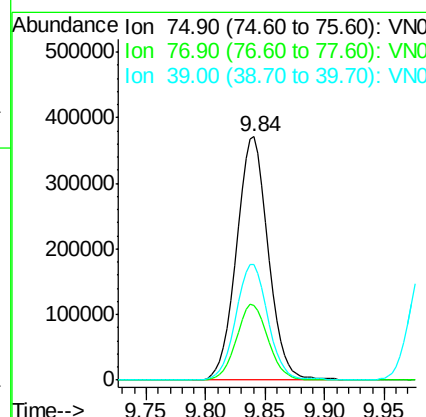
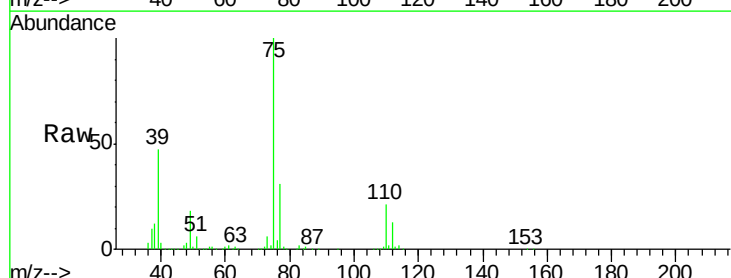
Manual Integrations
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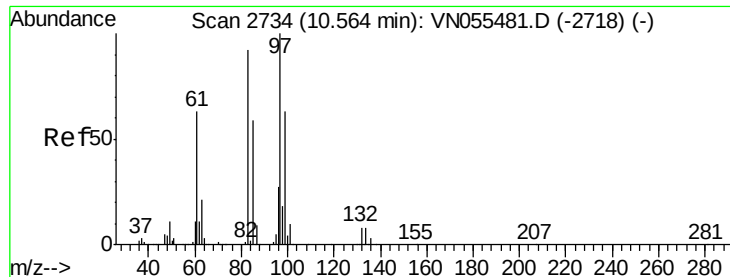
MMDadoda
5/10/2019 12:44:37 PM



#54
cis-1,3-Dichloropropene
Concen: 50.950 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.4	36.6
39	47.2	39.5	59.3





#55

1,1,2-Trichloroethane

Concen: 49.495 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Instrument :

MSVOA_N

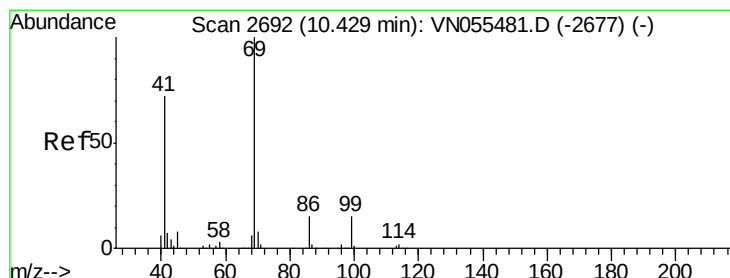
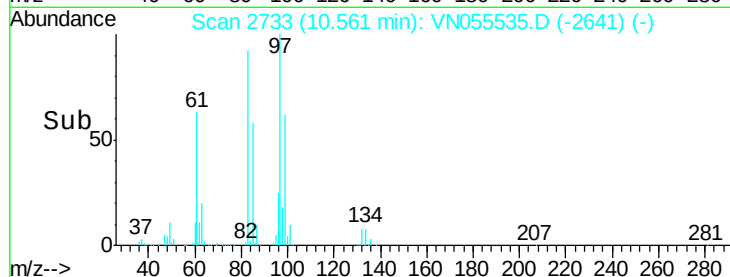
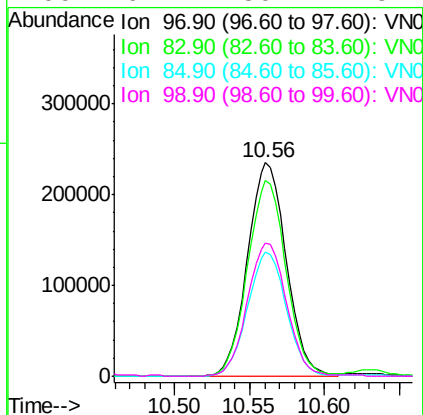
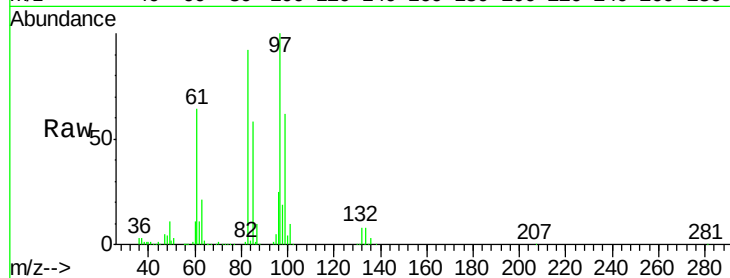
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	423876
Ion	Ratio	Lower	Upper
97	100		
83	91.7	73.2	109.8
85	58.4	47.5	71.3
99	62.1	50.2	75.2

Manual Integrations
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MMDadoda
5/10/2019 12:44:37 PM



#56

Ethyl methacrylate

Concen: 50.251 ug/l

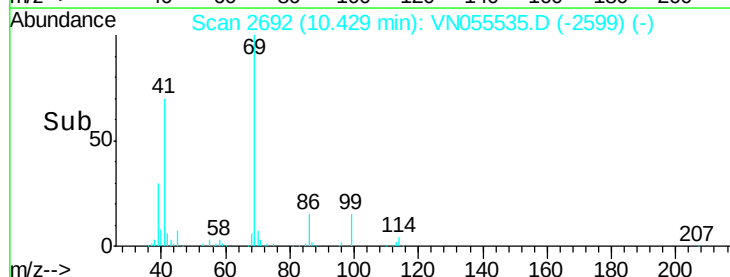
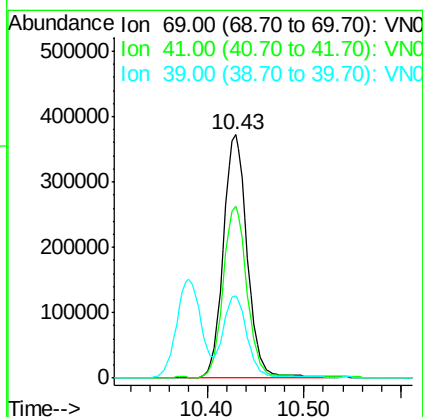
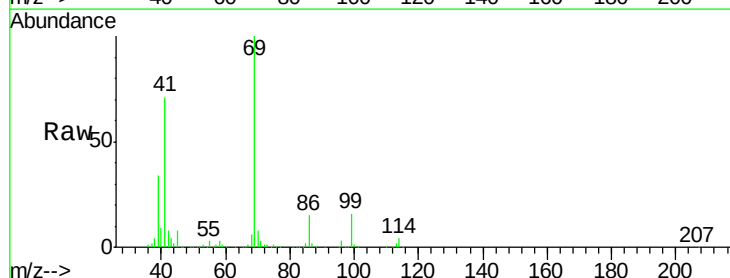
RT: 10.43 min Scan# 2692

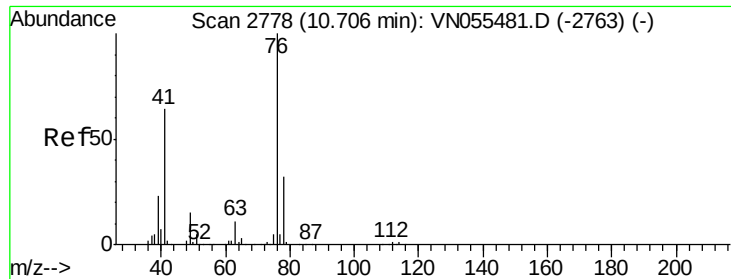
Delta R.T. -0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Tgt Ion:	69	Resp:	640113
Ion	Ratio	Lower	Upper
69	100		
41	69.6	56.2	84.2
39	33.5	27.8	41.6





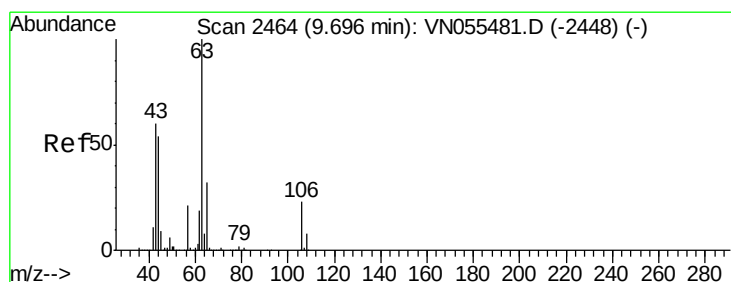
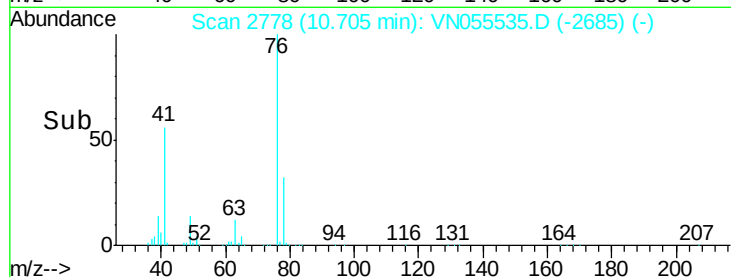
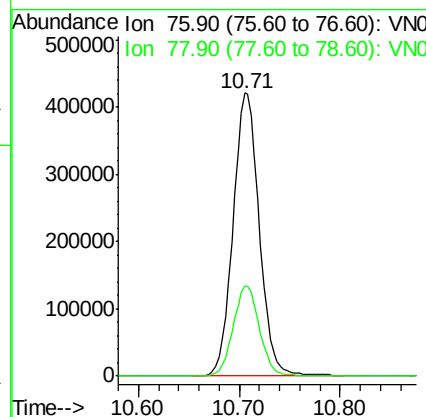
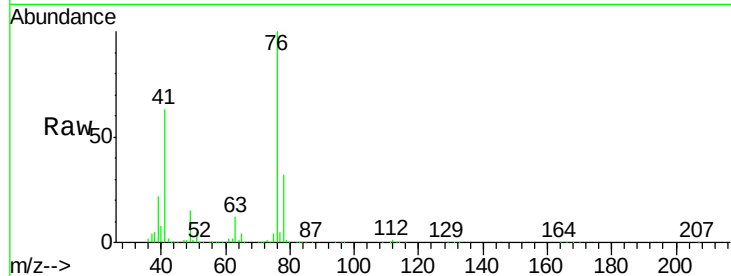
#57
 1,3-Dichloropropane
 Concen: 50.191 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN055535.D
 Acq: 10 May 2019 7:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.6

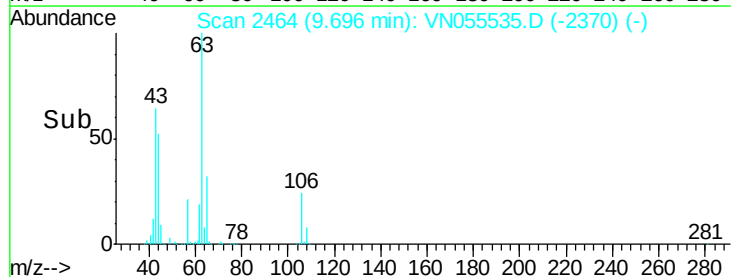
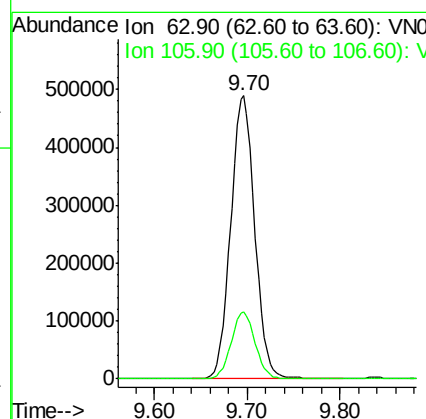
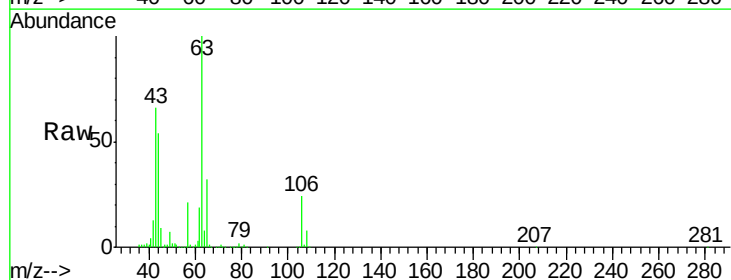
Manual Integrations
 APPROVED

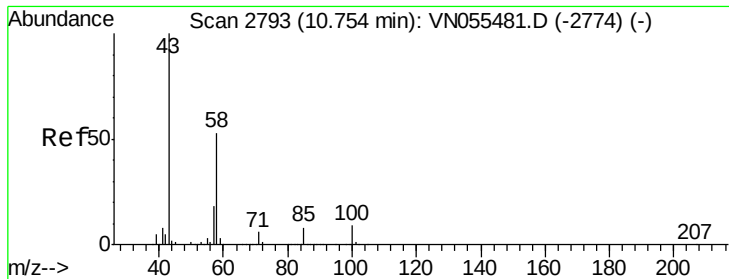
MMDadoda
 5/10/2019 12:44:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 206.923 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055535.D
 Acq: 10 May 2019 7:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.6	18.6	27.8





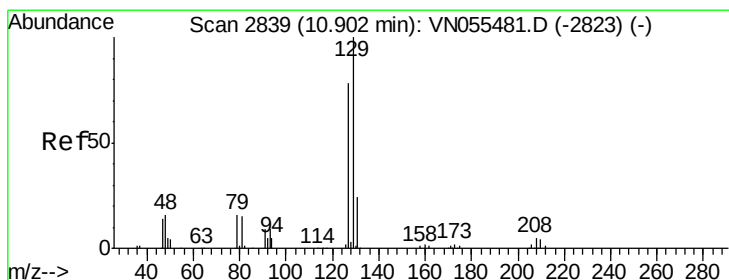
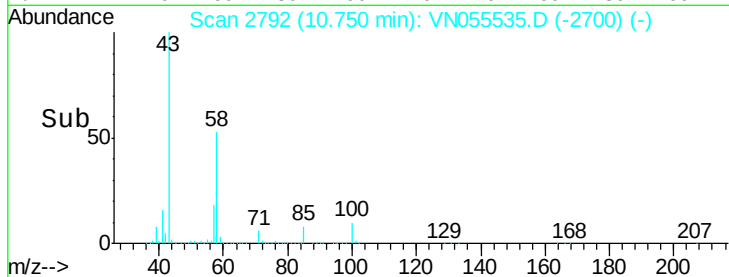
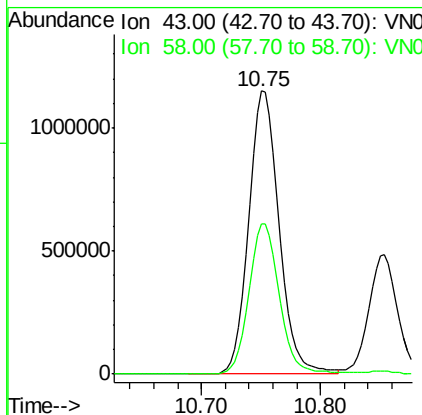
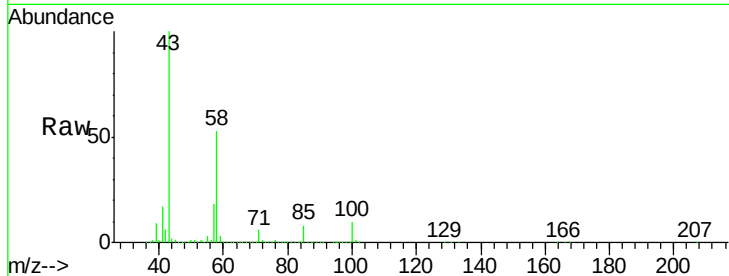
#59
2-Hexanone
Concen: 223.523 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2035366
Ion Ratio Lower Upper
43 100
58 53.0 26.4 79.0

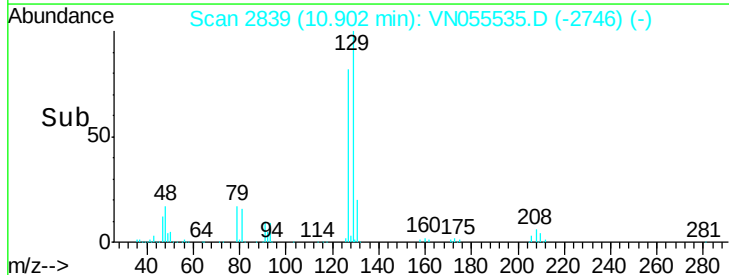
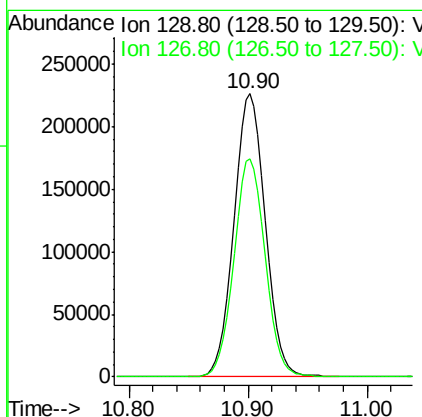
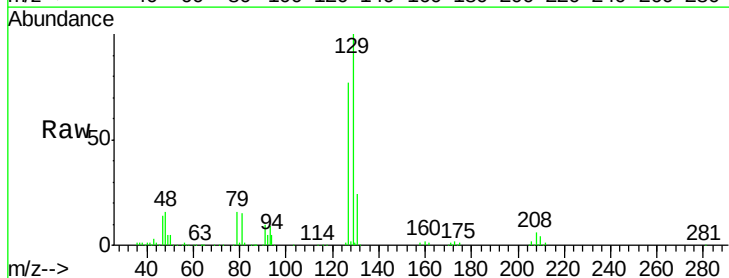
Manual Integrations
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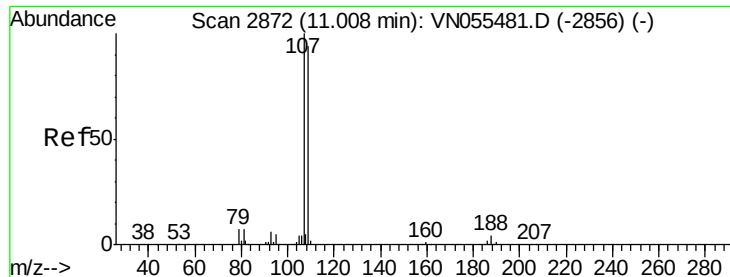
MMDadoda
5/10/2019 12:44:37 PM



#60
Dibromochloromethane
Concen: 53.080 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Tgt Ion: 129 Resp: 413297
Ion Ratio Lower Upper
129 100
127 76.8 38.6 116.0





#61

1,2-Dibromoethane

Concen: 51.465 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 107 Resp: 423474

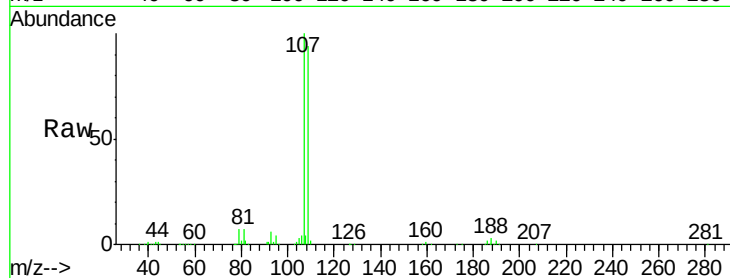
Ion Ratio Lower Upper

107 100

109 94.7 74.2 111.4

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

250000

200000

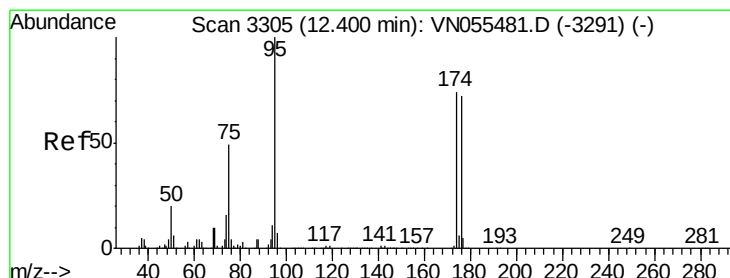
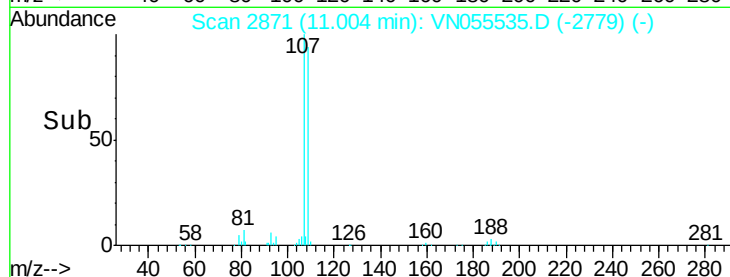
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 52.592 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

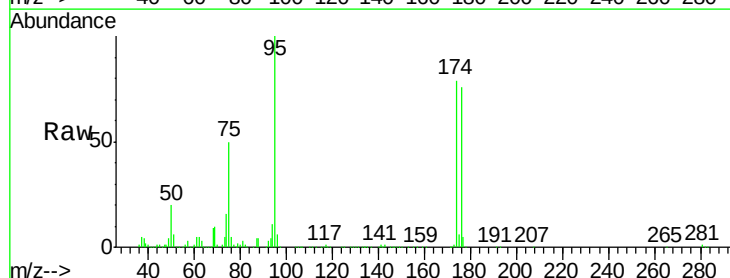
Tgt Ion: 95 Resp: 539046

Ion Ratio Lower Upper

95 100

174 77.2 0.0 152.2

176 74.1 0.0 147.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

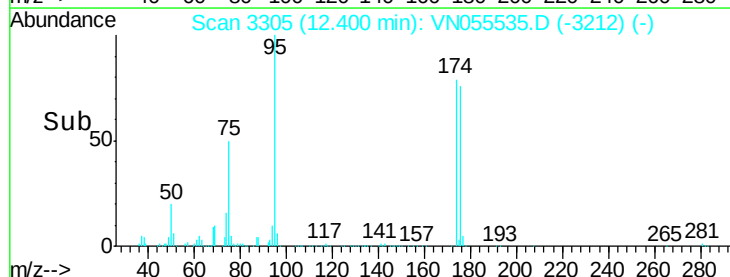
300000

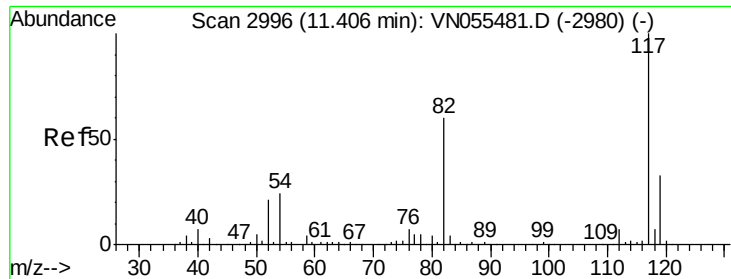
200000

100000

0

Time--> 12.30 12.40 12.50





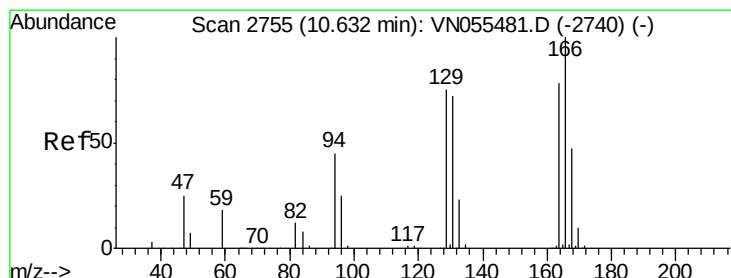
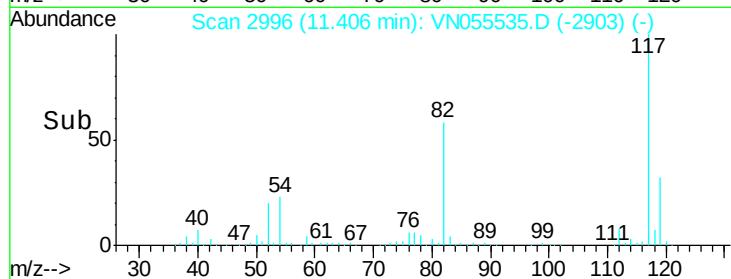
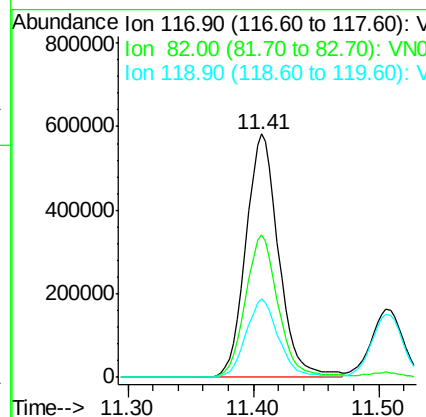
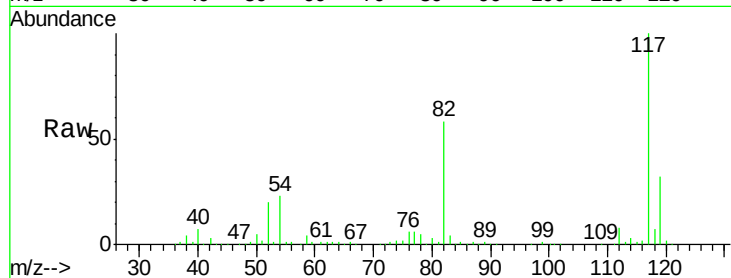
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1057660
Ion Ratio Lower Upper
117 100
82 58.5 48.0 72.0
119 32.0 26.0 39.0

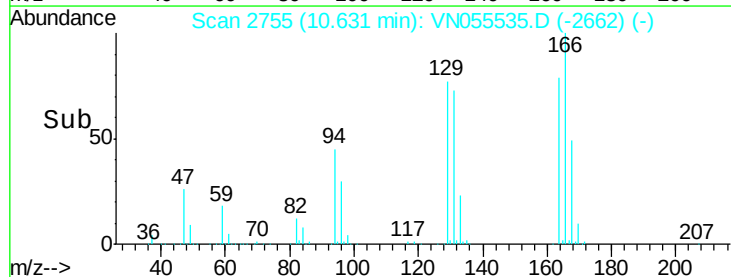
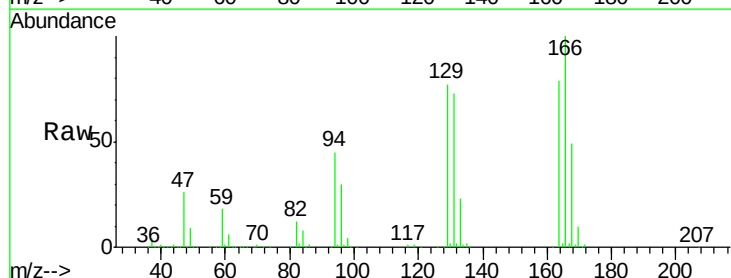
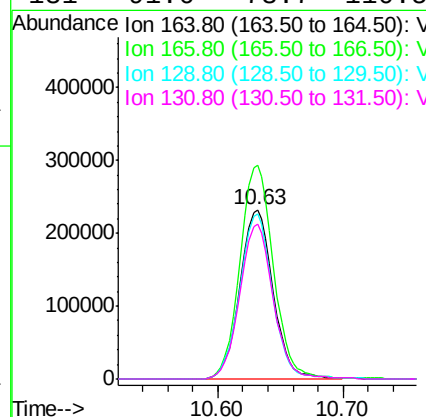
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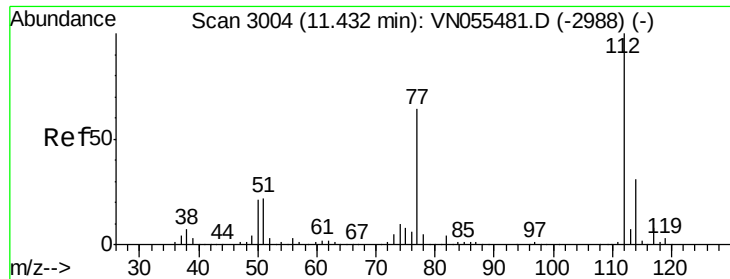
MMDadoda
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#64
Tetrachloroethene
Concen: 49.224 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Tgt Ion:164 Resp: 426602
Ion Ratio Lower Upper
164 100
166 126.2 102.6 153.8
129 97.7 77.0 115.6
131 91.6 73.7 110.5





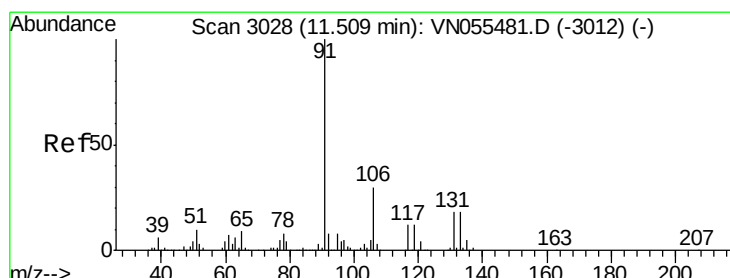
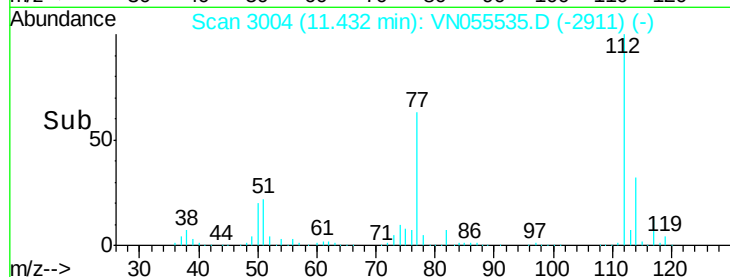
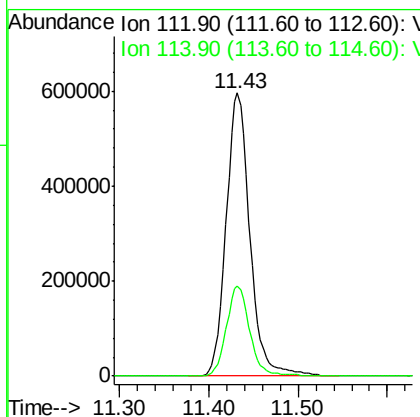
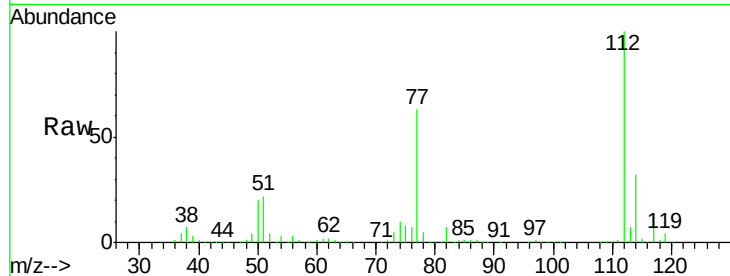
#65
Chlorobenzene
Concen: 50.449 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1097764
Ion Ratio Lower Upper
112 100
114 31.9 25.0 37.4

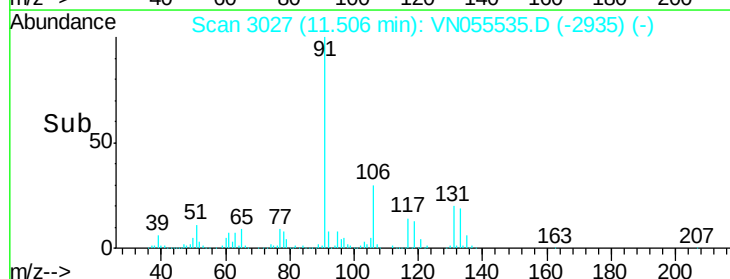
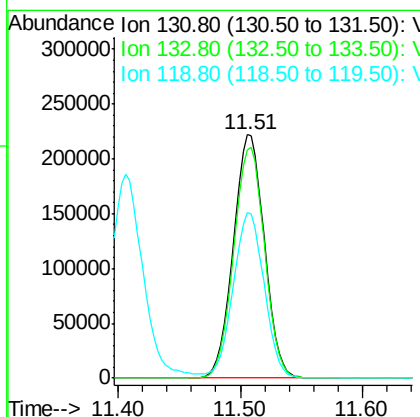
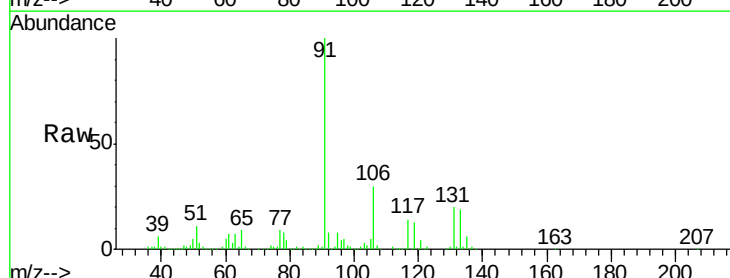
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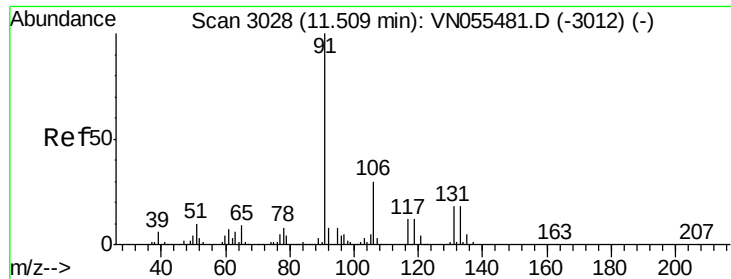
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.098 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Tgt Ion:131 Resp: 390276
Ion Ratio Lower Upper
131 100
133 94.5 47.4 142.2
119 68.3 34.1 102.2





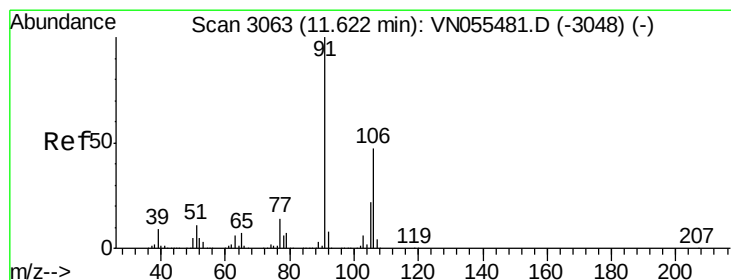
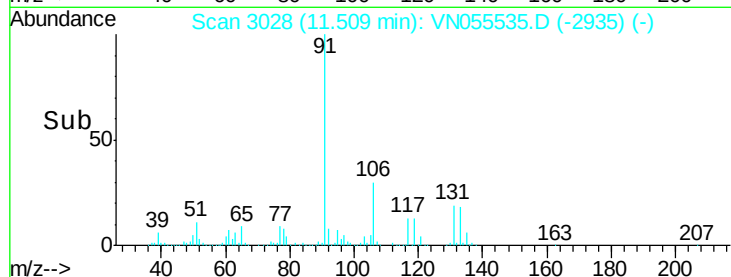
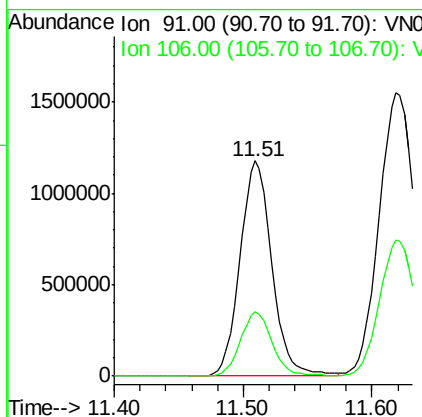
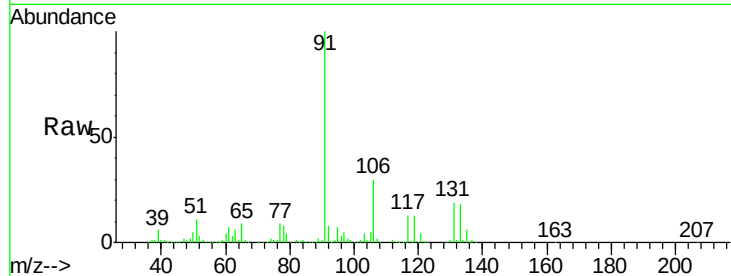
#67
Ethyl Benzene
Concen: 49.577 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 2026132
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6

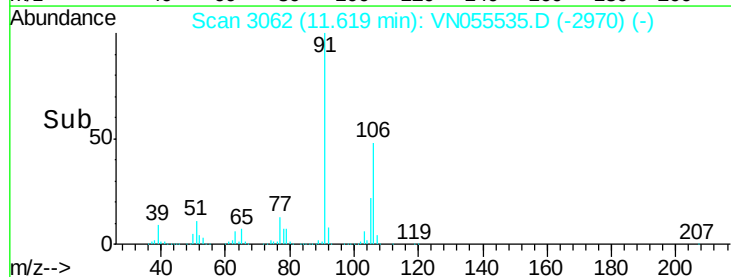
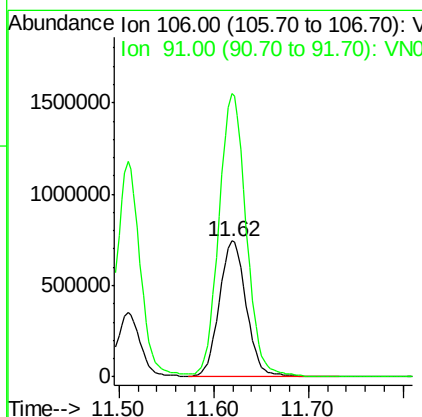
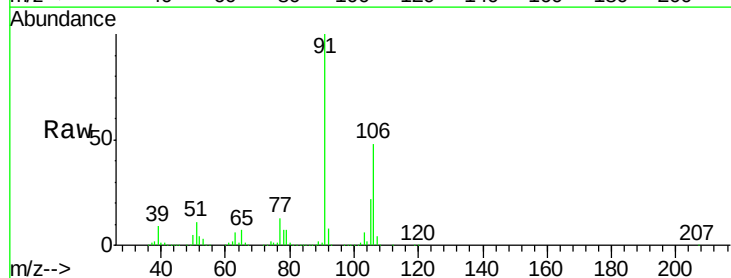
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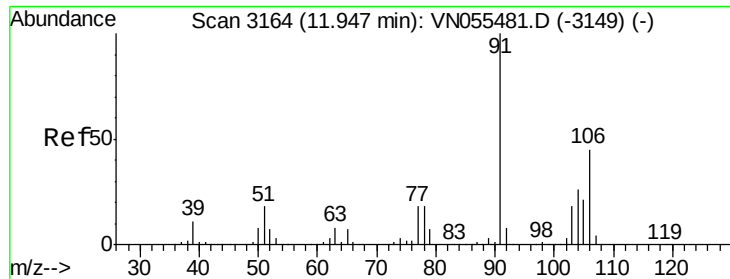
MMDadoda
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#68
m/p-Xylenes
Concen: 100.823 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Tgt Ion: 106 Resp: 1478711
Ion Ratio Lower Upper
106 100
91 210.5 169.2 253.8





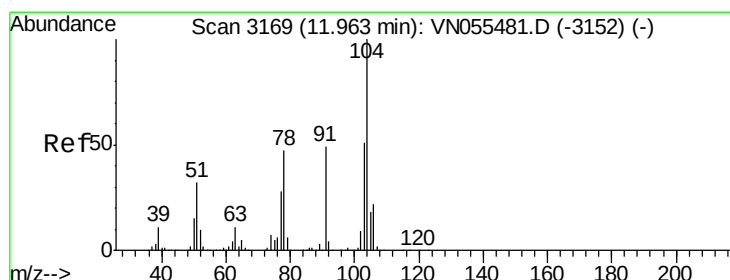
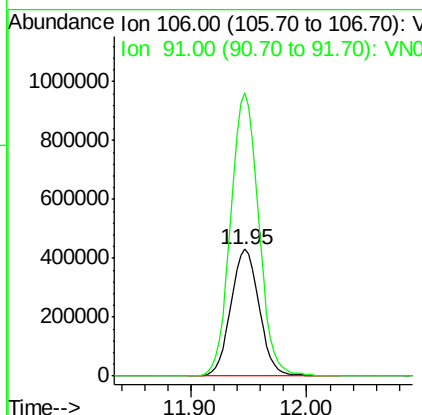
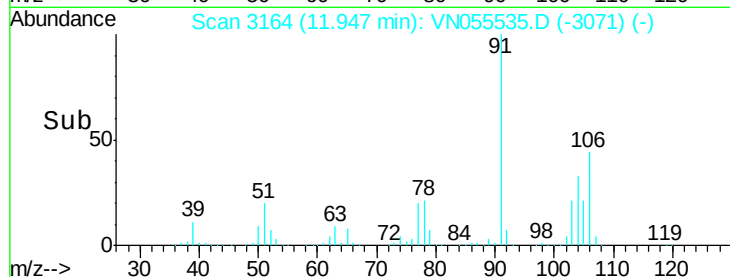
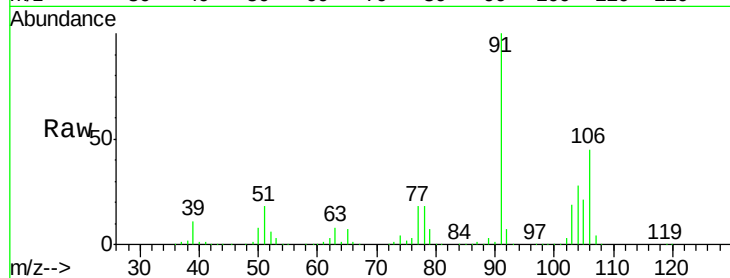
#69
o-Xylene
Concen: 50.528 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 728383
Ion Ratio Lower Upper
106 100
91 220.7 111.3 333.8

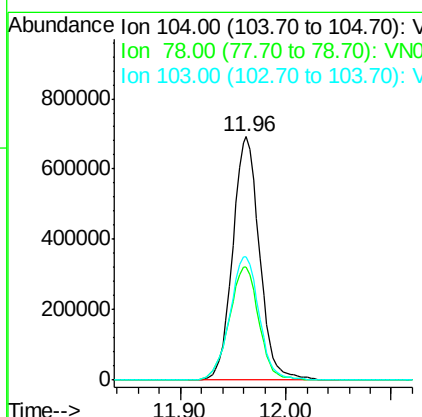
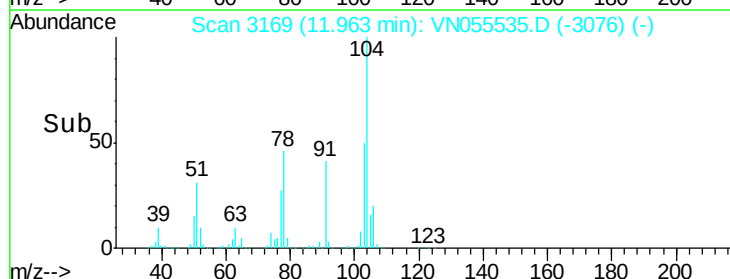
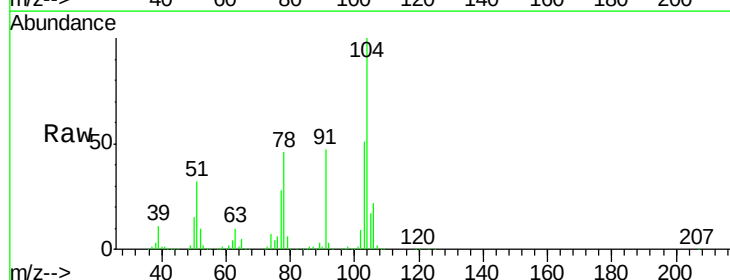
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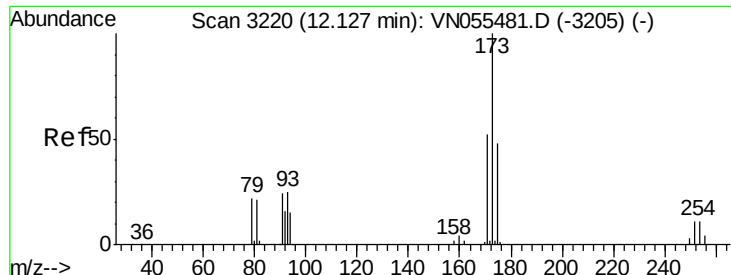
MMDadoda
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#70
Styrene
Concen: 52.647 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Tgt Ion:104 Resp: 1215876
Ion Ratio Lower Upper
104 100
78 51.3 41.6 62.4
103 55.5 44.4 66.6





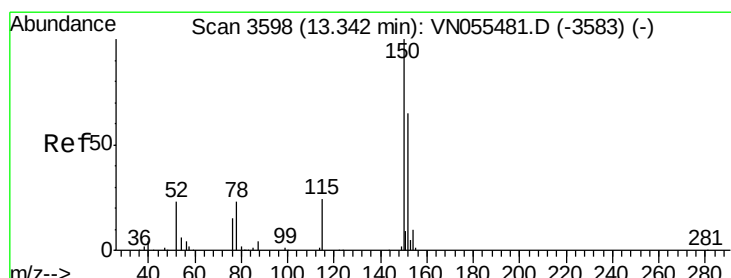
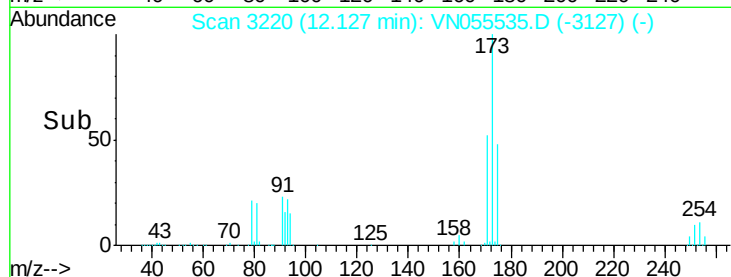
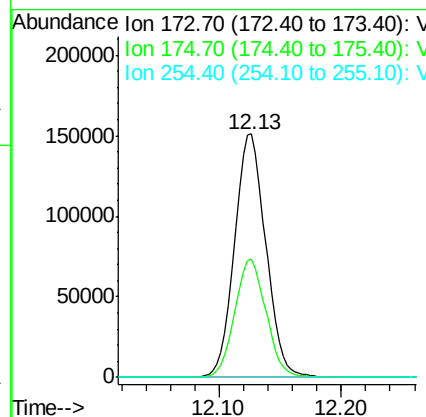
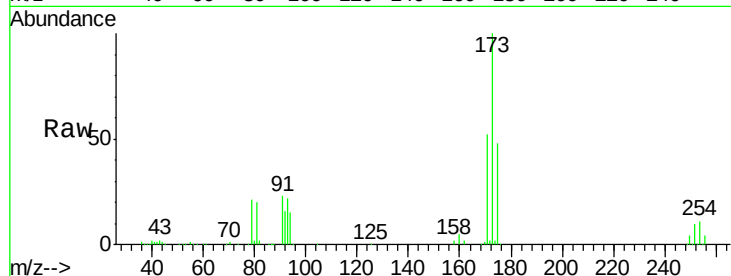
#71
Bromoform
Concen: 53.365 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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

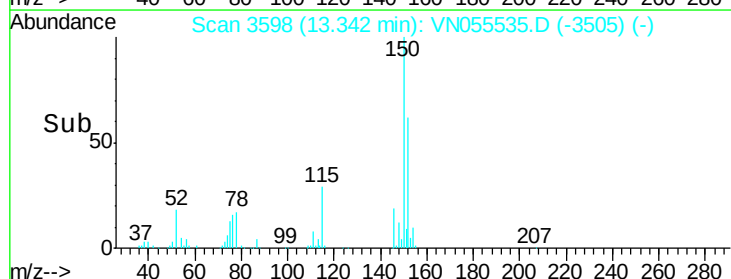
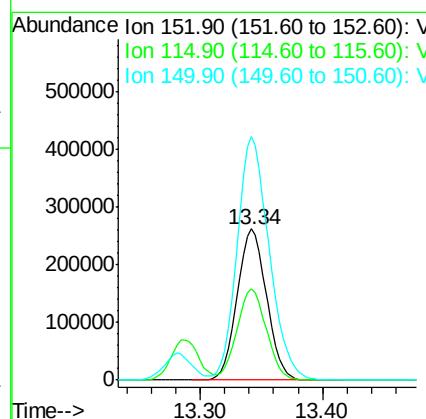
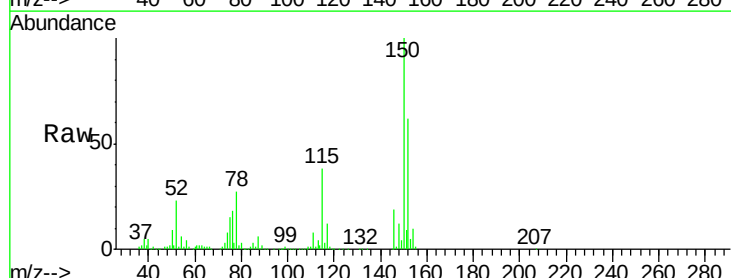
Manual Integrations
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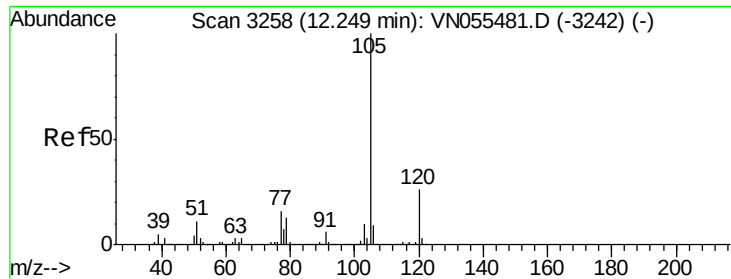
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.1	90.5
150	175.8	0.0	355.0





#73

Isopropylbenzene

Concen: 53.218 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1912126

Ion Ratio Lower Upper

105 100

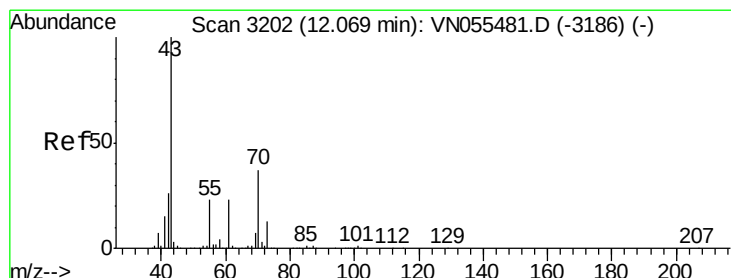
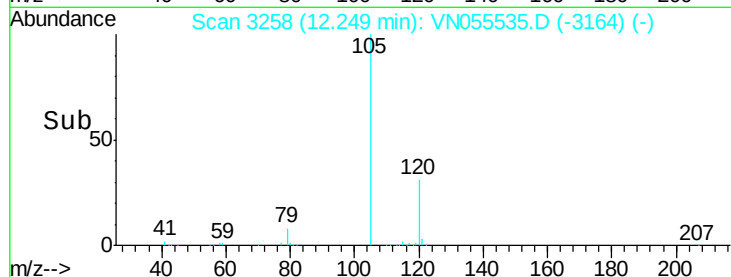
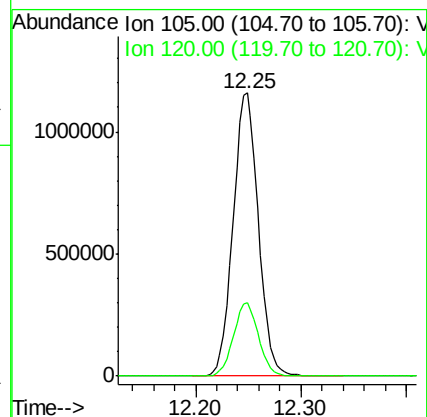
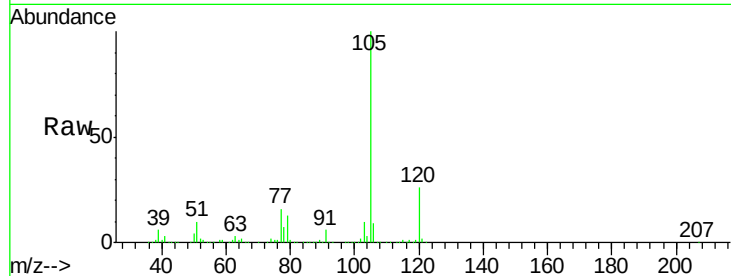
120 25.8 13.0 39.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 46.691 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Tgt Ion: 43 Resp: 774764

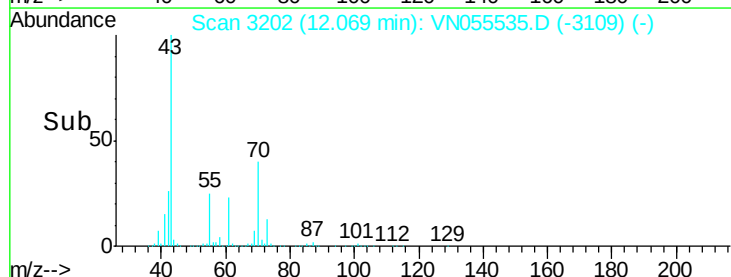
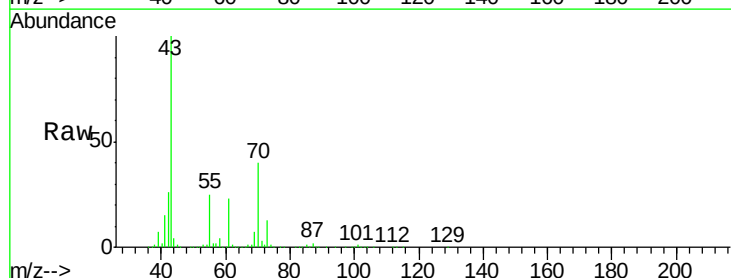
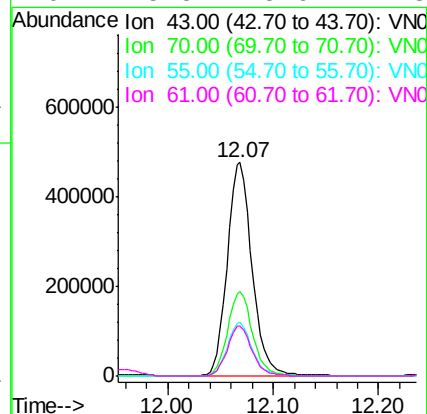
Ion Ratio Lower Upper

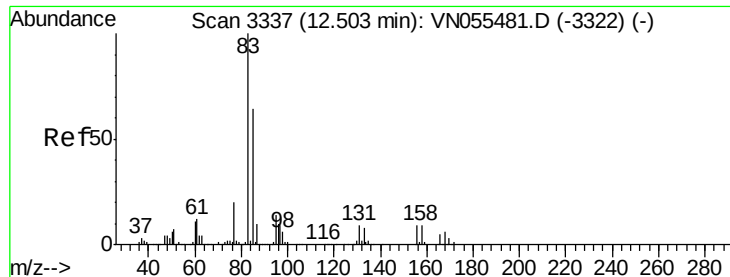
43 100

70 39.7 30.7 46.1

55 25.0 19.3 28.9

61 23.3 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.517 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Instrument :

MSVOA_N

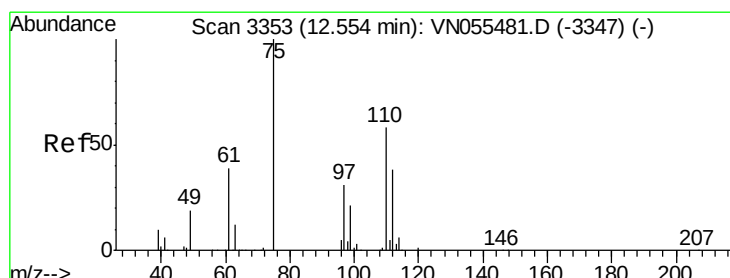
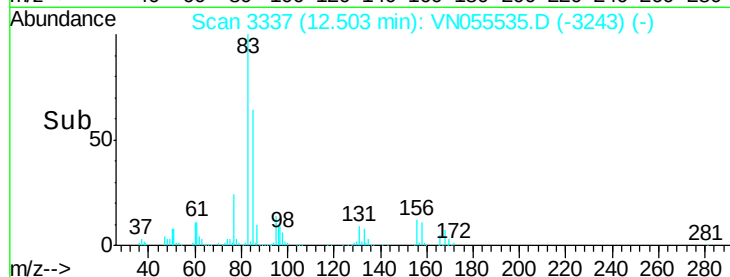
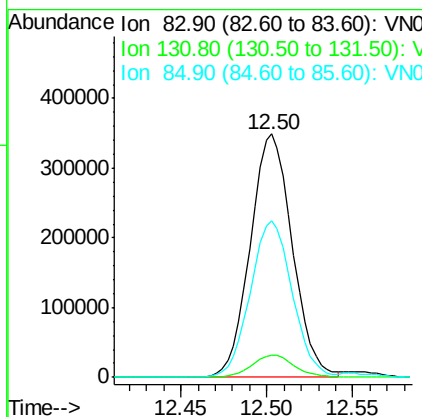
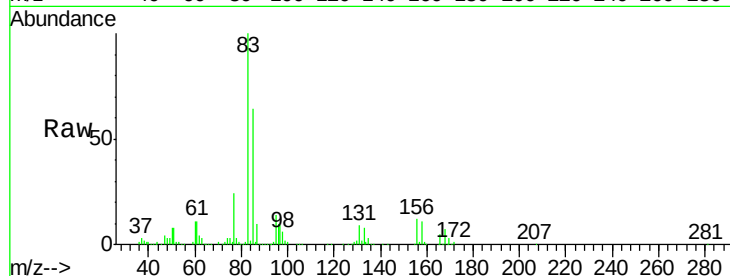
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	591653
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.5	13.5
85	64.2	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.763 ug/l m

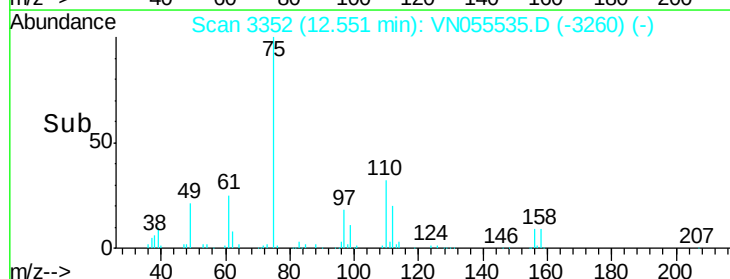
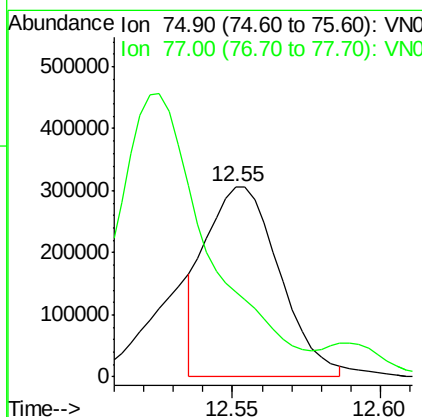
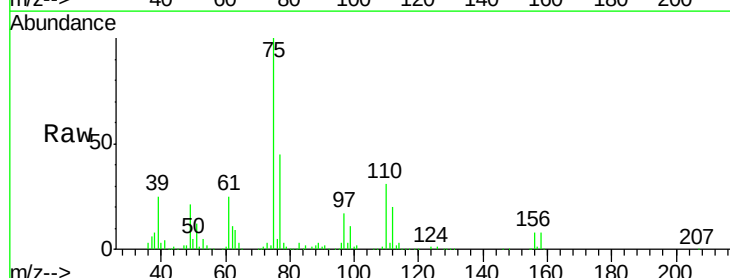
RT: 12.55 min Scan# 3352

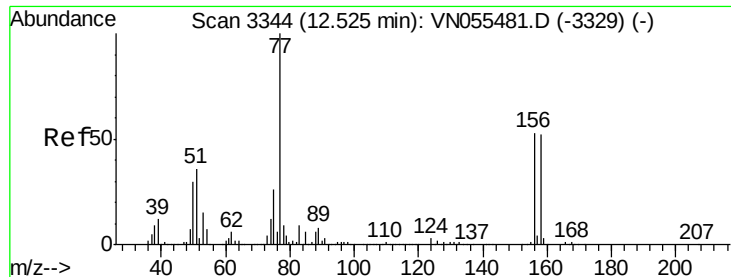
Delta R.T. -0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Tgt Ion:	75	Resp:	532614
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.047 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Instrument :

MSVOA_N

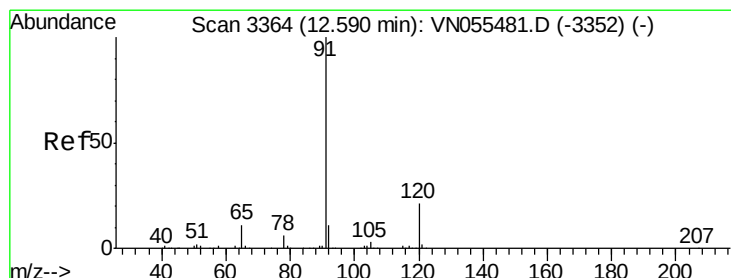
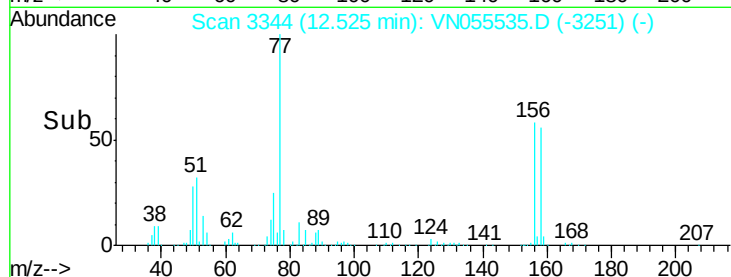
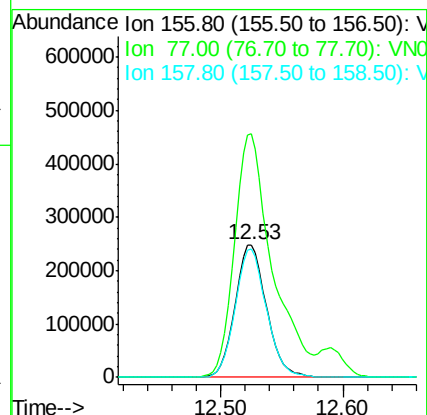
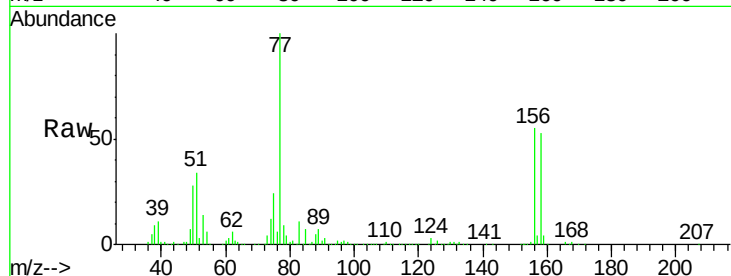
ClientSampled :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	222.0	115.4	346.2
158	96.7	48.7	146.1

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#78

n-propylbenzene

Concen: 46.181 ug/l

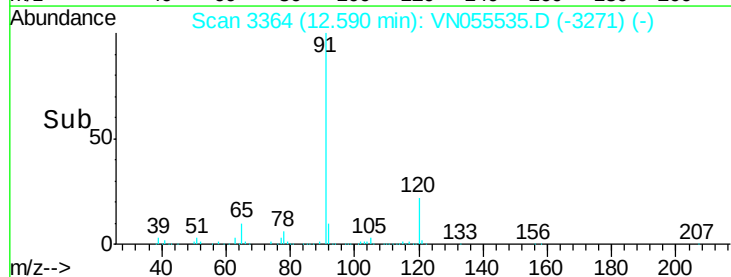
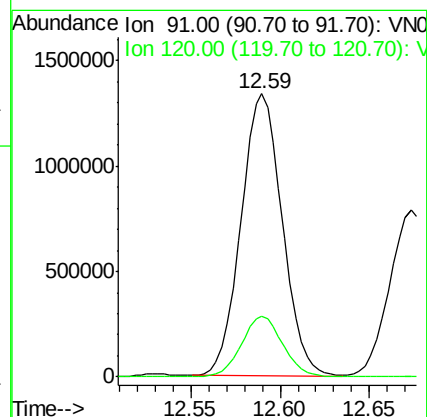
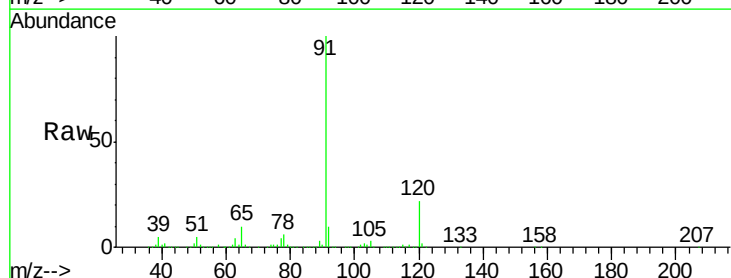
RT: 12.59 min Scan# 3364

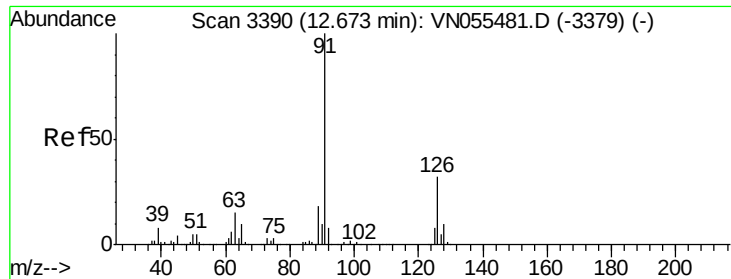
Delta R.T. -0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.3





#79

2-Chlorotoluene

Concen: 45.099 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 1317568

Ion Ratio Lower Upper

91 100

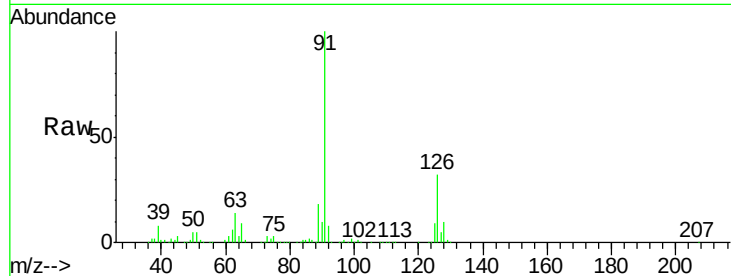
126 32.5 16.0 47.9

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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) (-)

1000000

800000

600000

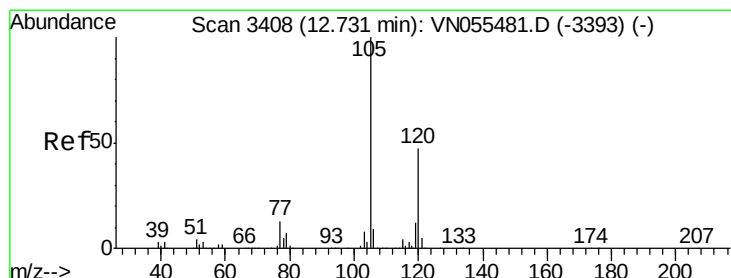
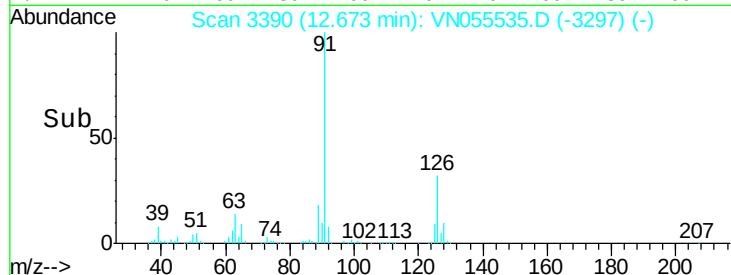
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.487 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055535.D

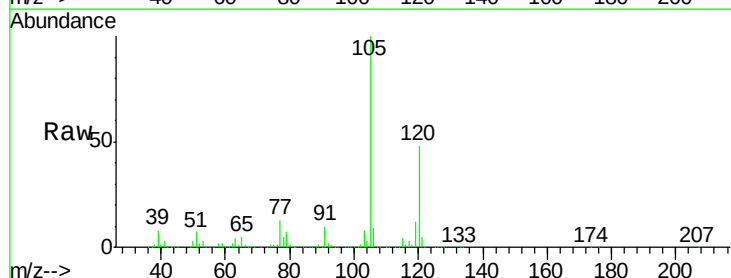
Acq: 10 May 2019 7:54

Tgt Ion:105 Resp: 1624947

Ion Ratio Lower Upper

105 100

120 47.7 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) (-)

1200000

1000000

800000

600000

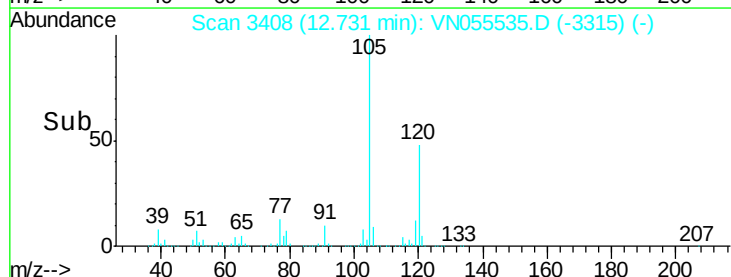
400000

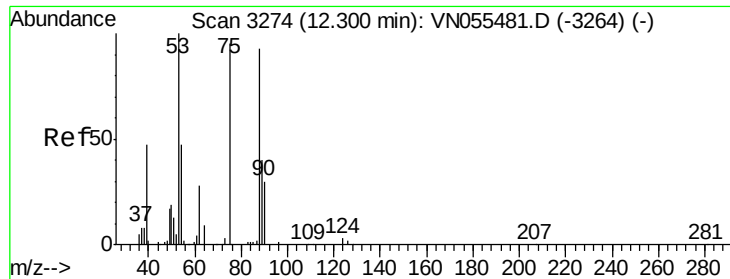
200000

0

12.70 12.80

Time-->





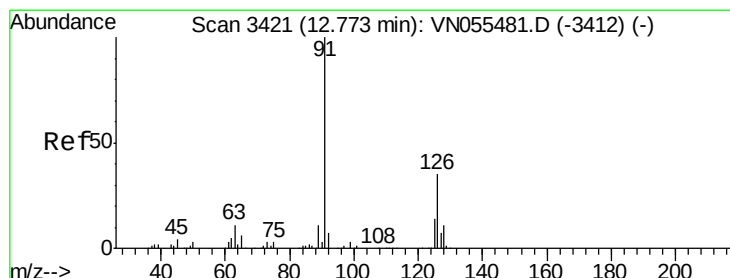
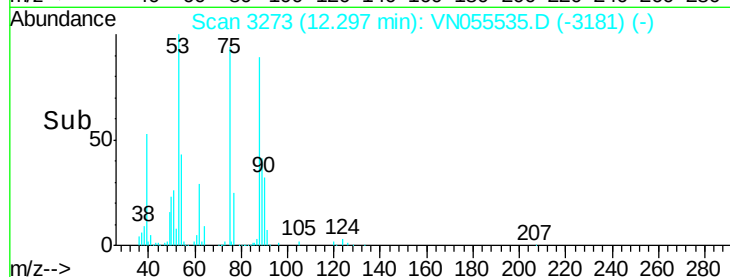
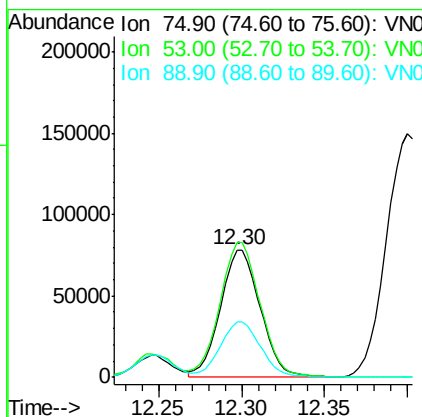
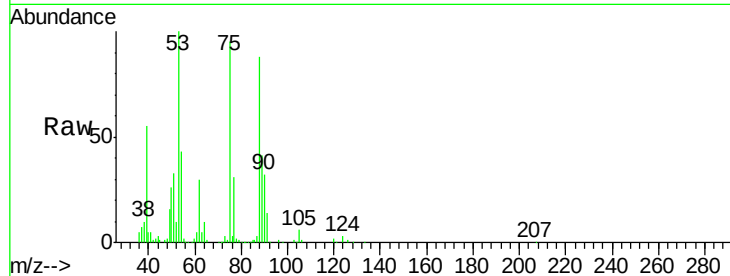
#81
trans-1,4-Dichloro-2-butene
Concen: 40.295 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.6	86.5	129.7
89	44.6	35.7	53.5

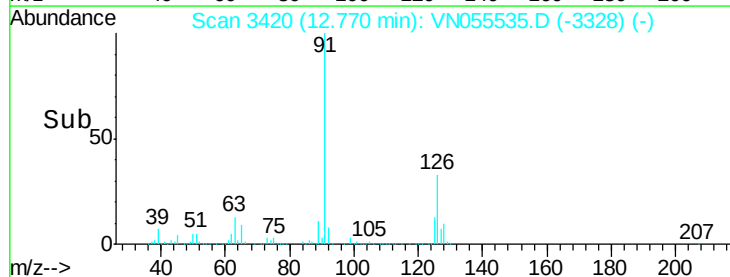
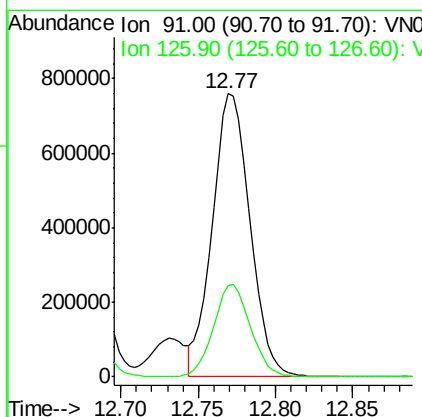
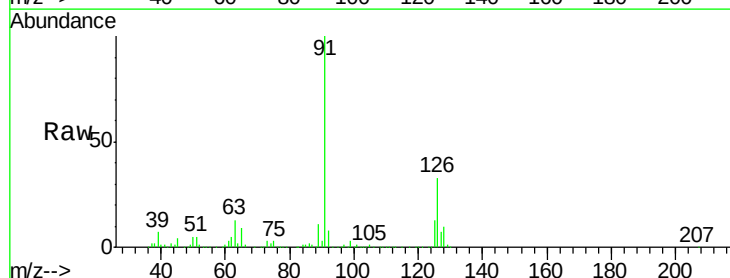
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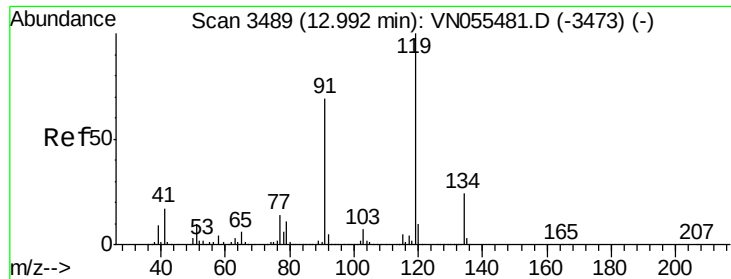
MMDadoda
5/10/2019 12:44:37 PM



#82
4-Chlorotoluene
Concen: 46.556 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.0





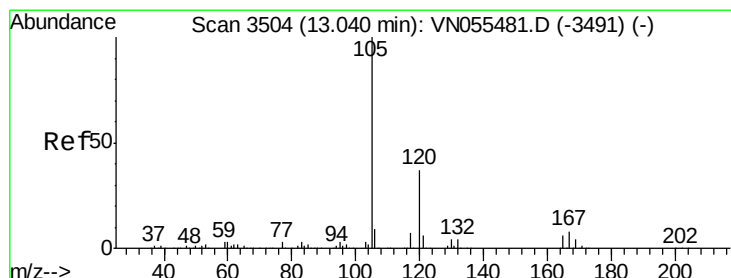
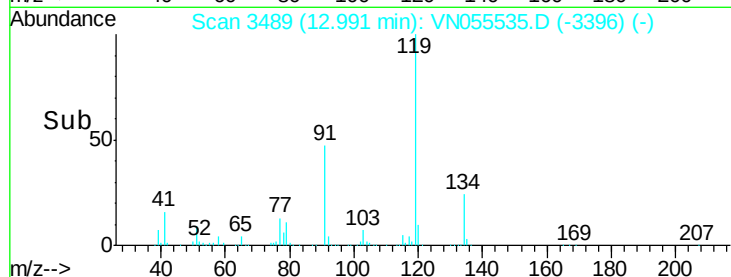
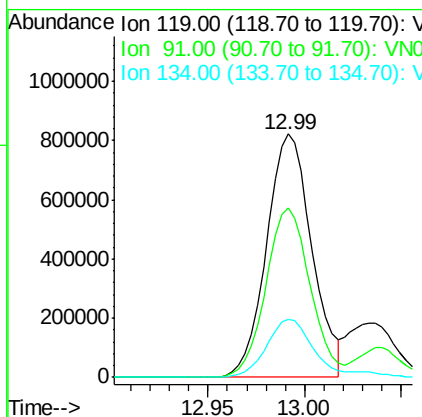
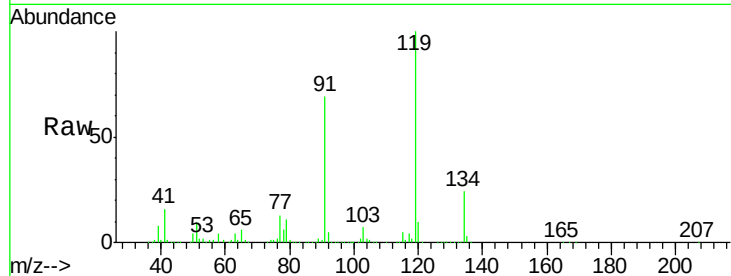
#83
 tert-Butylbenzene
 Concen: 44.727 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN055535.D
 Acq: 10 May 2019 7:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 1340078
 Ion Ratio Lower Upper
 119 100
 91 68.4 33.8 101.3
 134 25.9 12.5 37.5

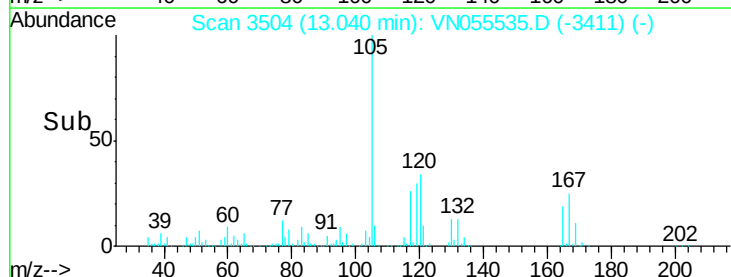
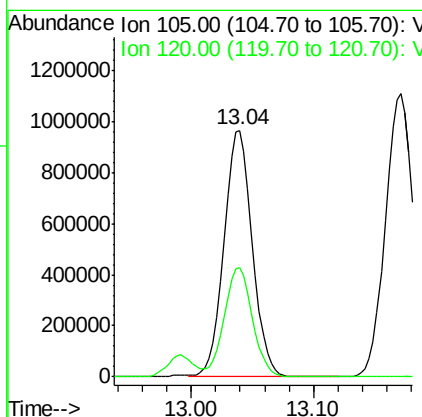
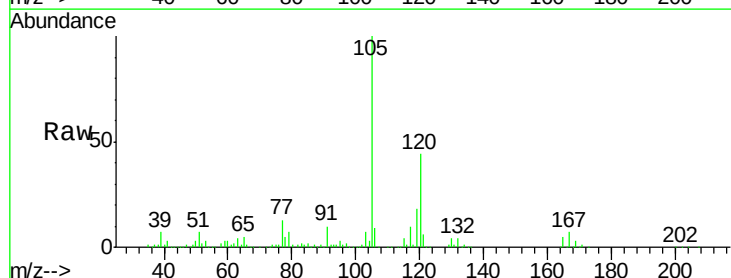
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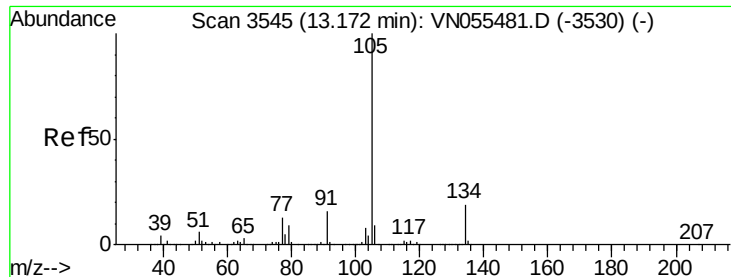
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.750 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055535.D
 Acq: 10 May 2019 7:54

Tgt Ion:105 Resp: 1562806
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.1 66.5





#85

sec-Butylbenzene

Concen: 45.147 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1797689

Ion Ratio Lower Upper

105 100

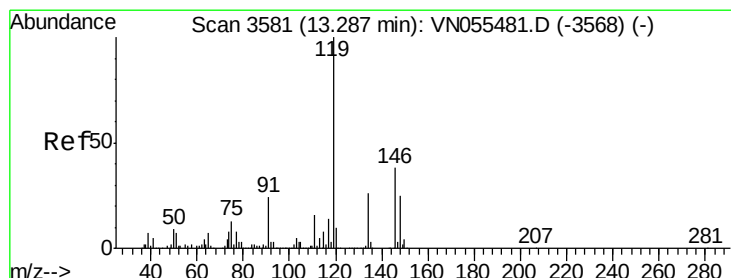
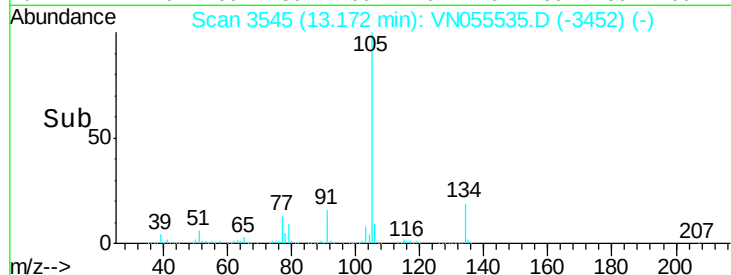
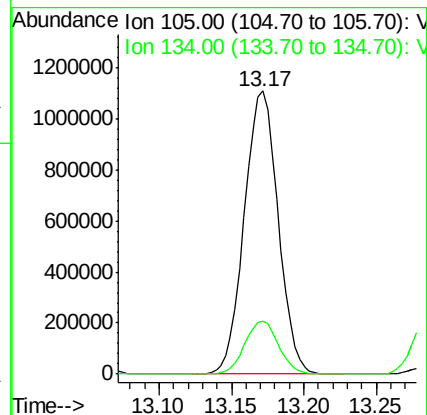
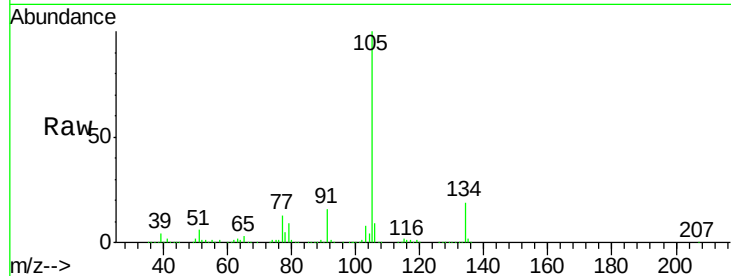
134 18.9 9.3 28.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 46.944 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

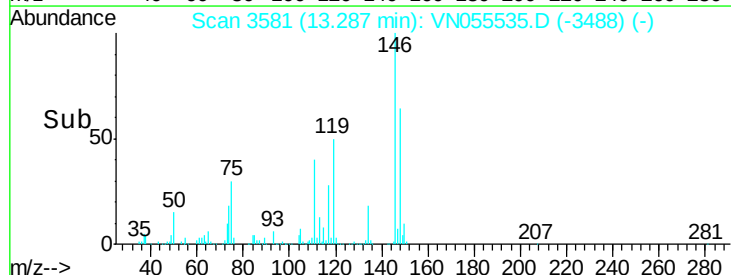
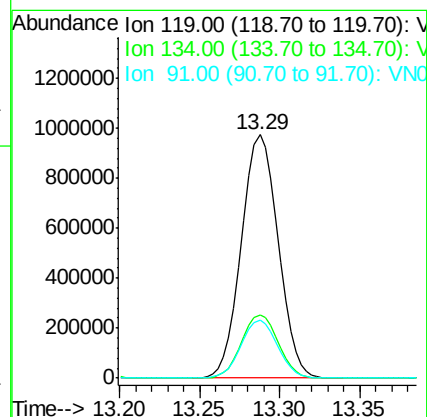
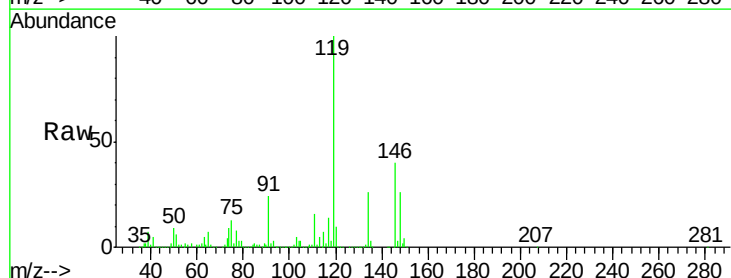
Tgt Ion:119 Resp: 1521289

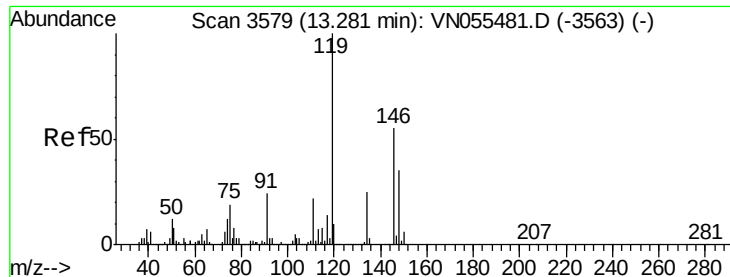
Ion Ratio Lower Upper

119 100

134 26.1 12.8 38.4

91 23.8 12.0 36.0





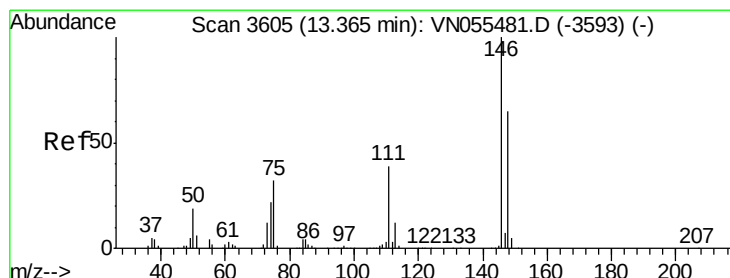
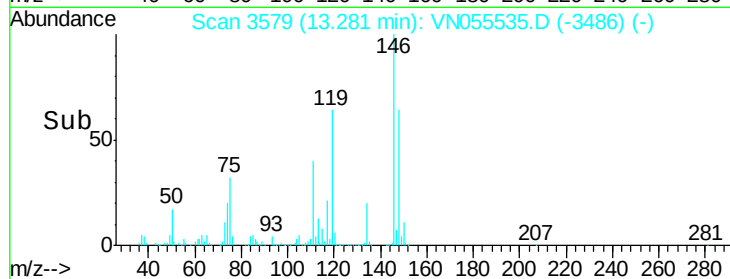
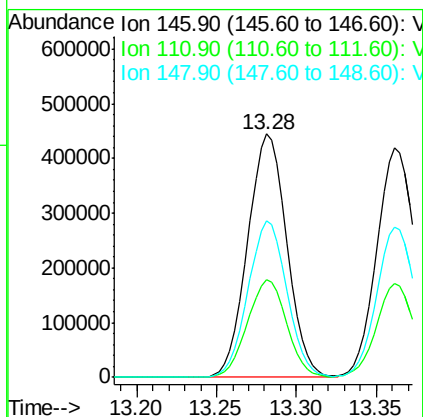
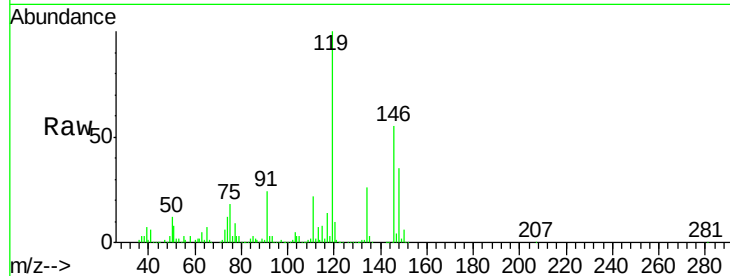
#87
1,3-Dichlorobenzene
Concen: 50.057 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	745033		
111	40.3	20.4	61.3	
148	63.9	32.1	96.5	

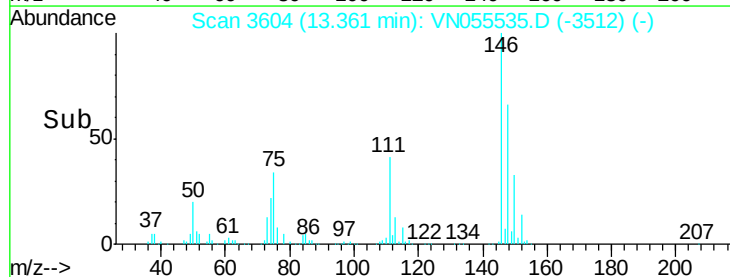
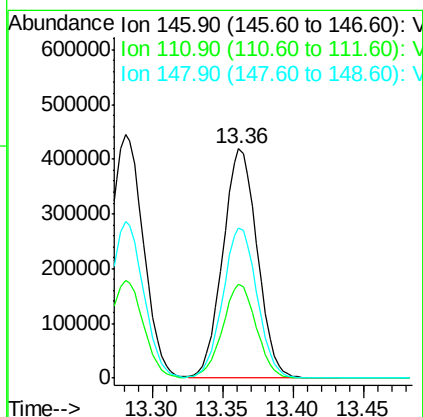
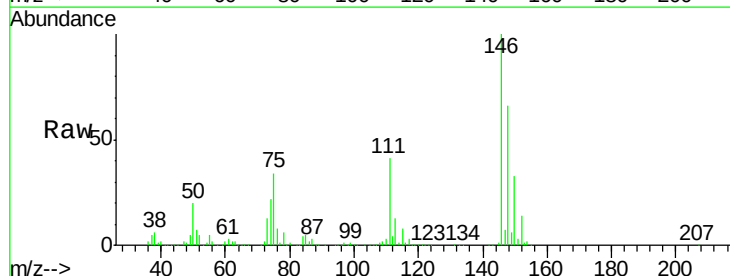
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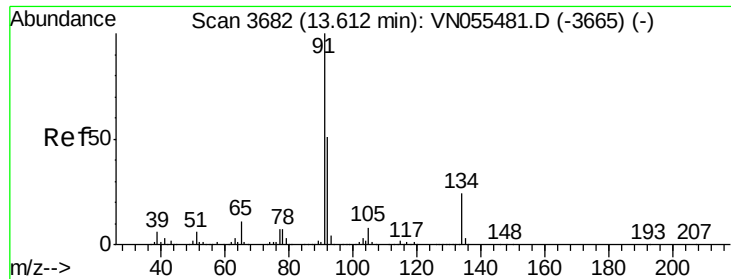
MMDadoda
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#88
1,4-Dichlorobenzene
Concen: 48.706 ug/l
RT: 13.36 min Scan# 3604
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	715422		
111	39.9	19.6	58.8	
148	64.8	32.5	97.4	





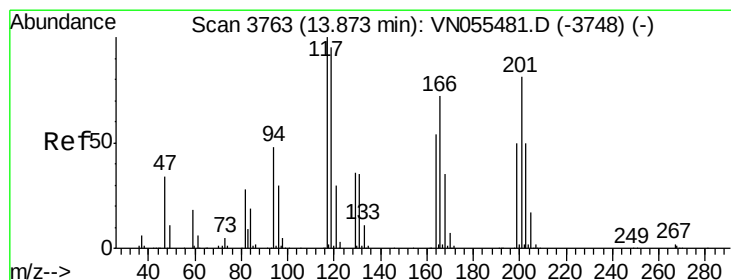
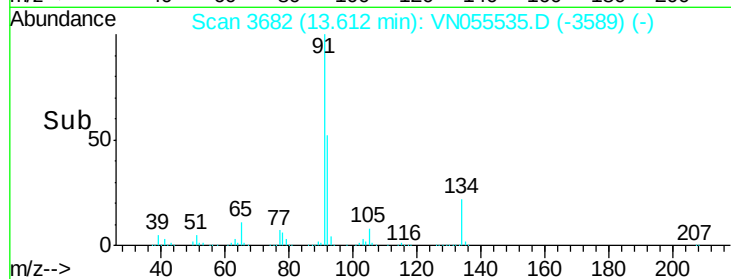
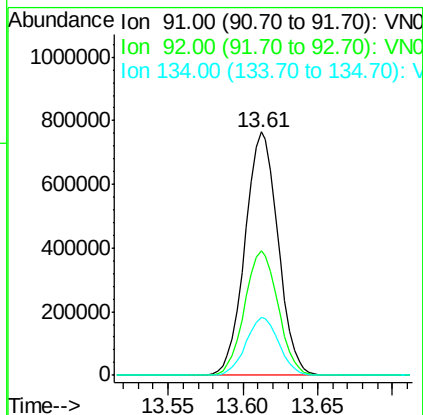
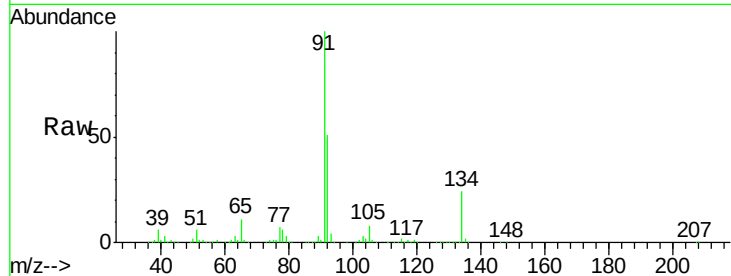
#89
n-Butylbenzene
Concen: 46.717 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1173497
Ion Ratio Lower Upper
91 100
92 52.0 25.9 77.7
134 23.8 11.8 35.4

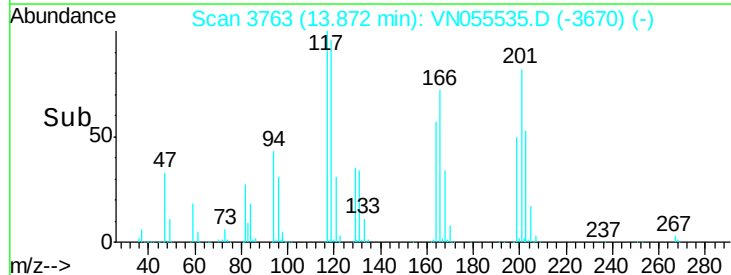
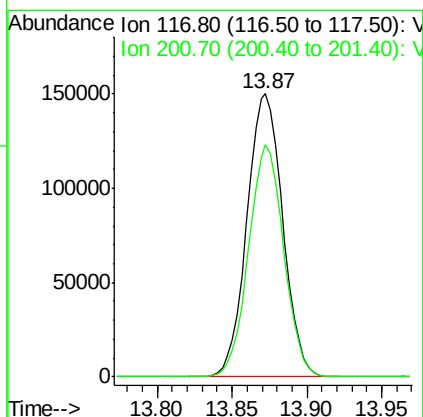
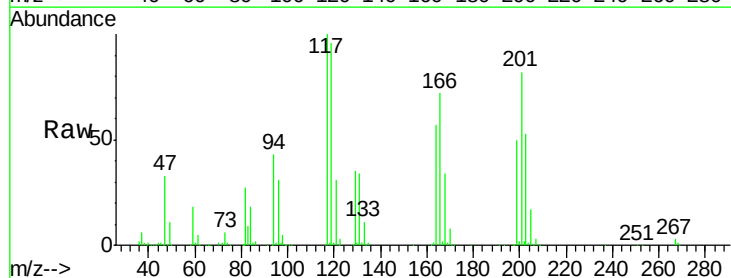
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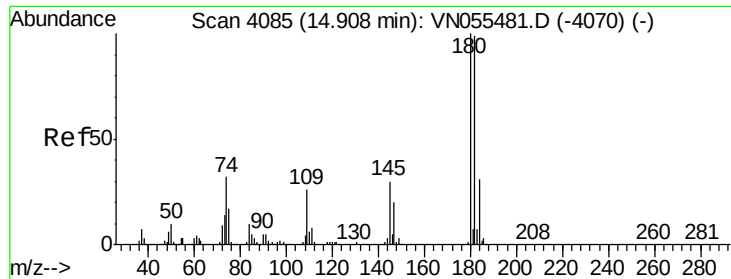
MMDadoda
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#90
Hexachloroethane
Concen: 47.313 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055535.D
Acq: 10 May 2019 7:54

Tgt Ion: 117 Resp: 250113
Ion Ratio Lower Upper
117 100
201 80.4 40.1 120.2





#93

1,2,4-Trichlorobenzene

Concen: 44.807 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Instrument :

MSVOA_N

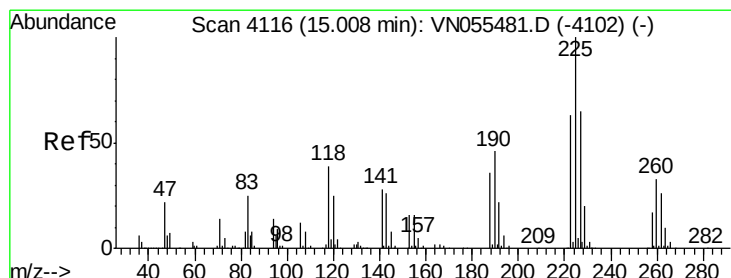
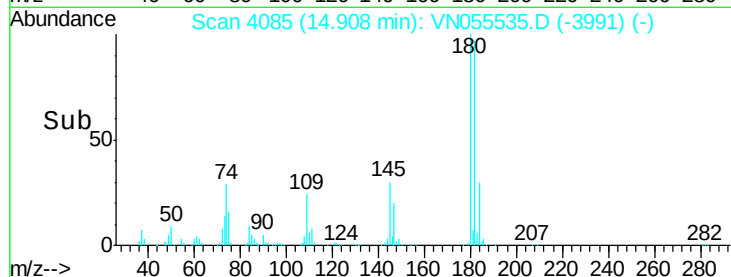
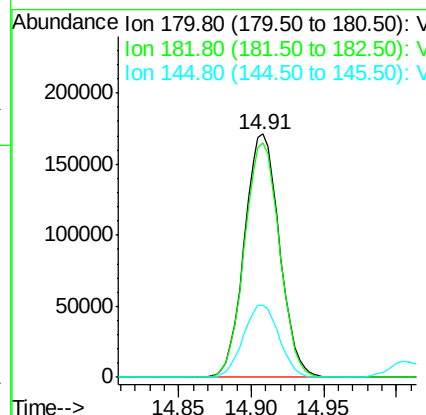
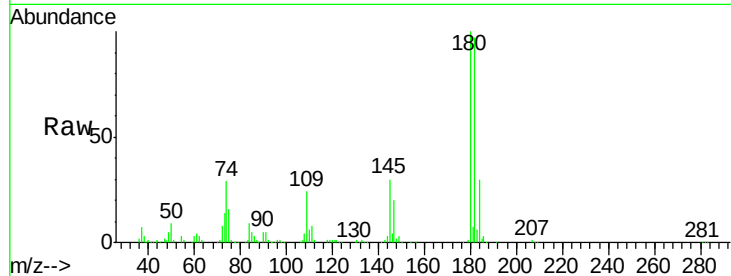
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	287907
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.7	146.1
145	30.3	15.3	45.9

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 50.295 ug/l

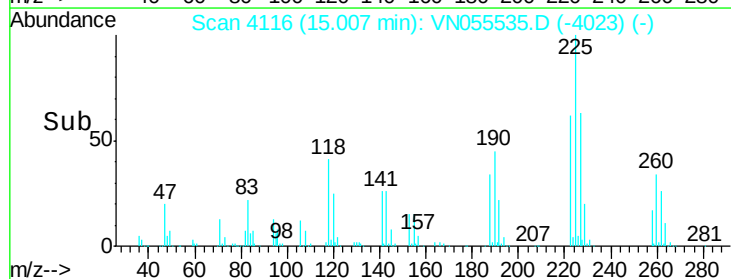
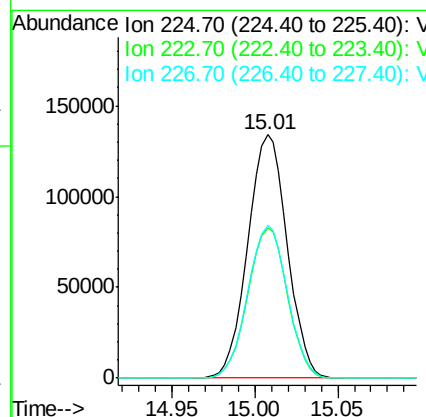
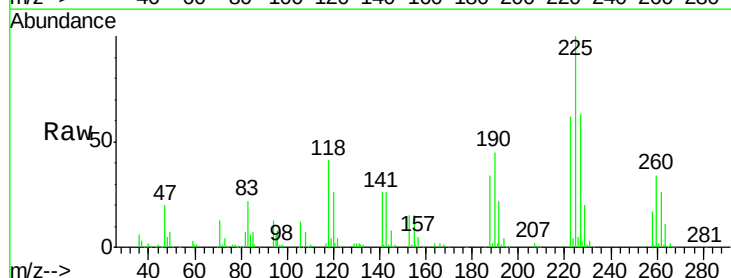
RT: 15.01 min Scan# 4116

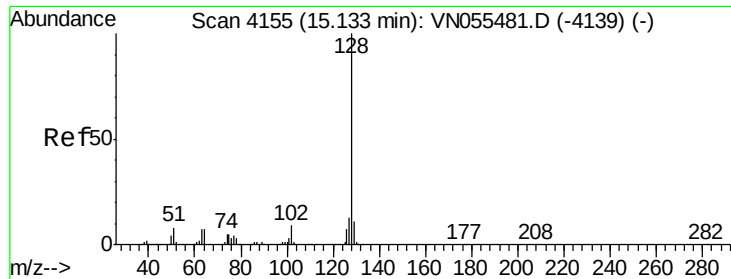
Delta R.T. 0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Tgt Ion:	225	Resp:	221340
Ion Ratio	Lower	Upper	
225	100		
223	62.1	31.4	94.3
227	63.1	32.0	96.0





#95

Naphthalene

Concen: 43.779 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Instrument :

MSVOA_N

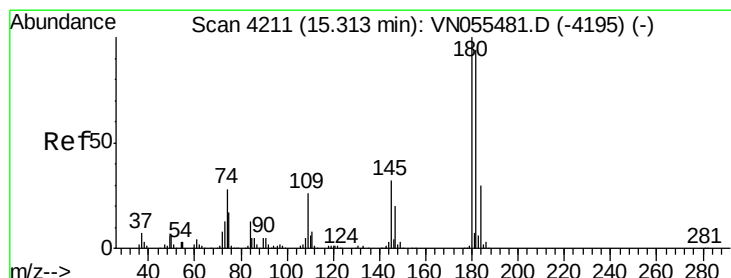
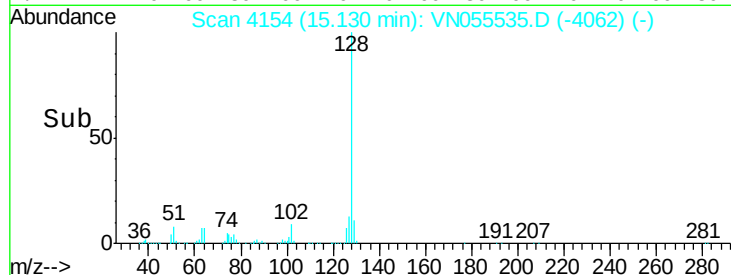
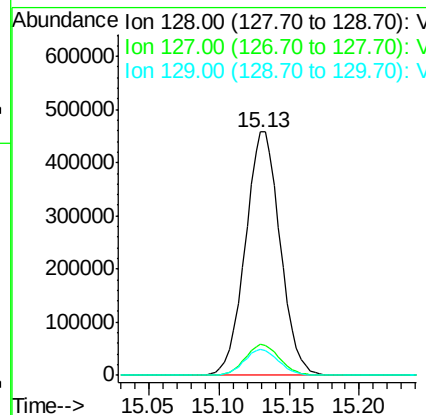
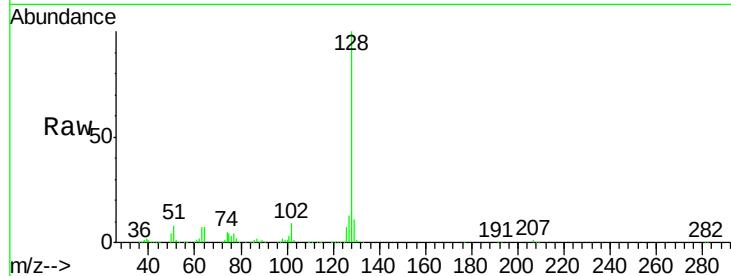
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	790721
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.0	15.0
129	10.6	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 46.059 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055535.D

Acq: 10 May 2019 7:54

Tgt Ion:	180	Resp:	321633
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.1	141.3
145	32.1	15.8	47.4

