

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051019\
 Data File : VN055564.D
 Acq On : 10 May 2019 20:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 1:45:56 PM

Quant Time: May 11 02:18:48 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	670657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1182890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1031707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	443932	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	509303	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
35) Dibromofluoromethane	7.59	113	399601	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
50) Toluene-d8	10.09	98	1554396	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.40	95	533365	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	299900	43.922	ug/l	99
3) Chloromethane	2.06	50	484496	43.676	ug/l	100
4) Vinyl Chloride	2.19	62	475666	45.426	ug/l	99
5) Bromomethane	2.53	94	211513	36.866	ug/l	98
6) Chloroethane	2.69	64	286061	46.900	ug/l	100
7) Trichlorofluoromethane	3.01	101	560192	48.765	ug/l	100
8) Diethyl Ether	3.41	74	251889	48.824	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	339890	46.505	ug/l	98
10) Methyl Iodide	3.95	142	341240	34.544	ug/l	100
11) Tert butyl alcohol	4.82	59	354490	237.760	ug/l	100
12) 1,1-Dichloroethene	3.73	96	351207	47.914	ug/l	99
13) Acrolein	3.61	56	207923	209.247	ug/l	99
14) Allyl chloride	4.32	41	692765	46.138	ug/l	98
15) Acrylonitrile	5.00	53	1111607	240.779	ug/l	99
16) Acetone	3.82	43	938965	200.822	ug/l	96
17) Carbon Disulfide	4.04	76	916577	45.816	ug/l	100
18) Methyl Acetate	4.33	43	469636	47.816	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	1207563	49.580	ug/l	98
20) Methylene Chloride	4.55	84	439178	45.935	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	386265	48.604	ug/l	95
22) Diisopropyl ether	5.96	45	1480817	48.532	ug/l	97
23) Vinyl Acetate	5.90	43	5905259	250.256	ug/l	100
24) 1,1-Dichloroethane	5.85	63	793487	48.175	ug/l	100
25) 2-Butanone	6.84	43	1507553	233.411	ug/l	98
26) 2,2-Dichloropropane	6.82	77	480585	46.805	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	455146	49.556	ug/l	98
28) Bromochloromethane	7.20	49	425941	49.796	ug/l	95
29) Tetrahydrofuran	7.22	42	1013672	237.405	ug/l	99
30) Chloroform	7.37	83	742133	48.739	ug/l	98
31) Cyclohexane	7.65	56	720505	44.212	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	577940	49.842	ug/l	100
36) 1,1-Dichloropropene	7.79	75	556639	47.766	ug/l	98
37) Ethyl Acetate	6.94	43	604088	47.521	ug/l	100
38) Carbon Tetrachloride	7.77	117	470882	47.987	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	640791	45.099	ug/l	98
40) Benzene	8.04	78	1751337	48.423	ug/l	100
41) Methacrylonitrile	7.17	41	295313	50.052	ug/l	97
42) 1,2-Dichloroethane	8.13	62	594963	46.823	ug/l	100
43) Isopropyl Acetate	8.17	43	936931	48.514	ug/l	98
44) Trichloroethene	8.84	130	419420	48.737	ug/l	96
45) 1,2-Dichloropropane	9.12	63	498030	48.126	ug/l	98
46) Dibromomethane	9.21	93	291814	48.649	ug/l	98
47) Bromodichloromethane	9.40	83	566331	49.352	ug/l	99
48) Methyl methacrylate	9.20	41	451435	48.515	ug/l	97
49) 1,4-Dioxane	9.20	88	181849	1002.712	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	3037200	239.119	ug/l	99
52) Toluene	10.16	92	1024638	49.555	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	570433	51.758	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	679886	51.625	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	418623	49.969	ug/l	98
56) Ethyl methacrylate	10.43	69	613775	49.255	ug/l	99
57) 1,3-Dichloropropane	10.71	76	735314	49.439	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	888030	213.614	ug/l	99
59) 2-Hexanone	10.75	43	2080074	233.515	ug/l	99
60) Dibromochloromethane	10.90	129	400488	52.579	ug/l	100
61) 1,2-Dibromoethane	11.01	107	409072	50.821	ug/l	98
64) Tetrachloroethene	10.63	164	393283	46.521	ug/l	99
65) Chlorobenzene	11.43	112	1059958	49.937	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	373989	51.180	ug/l	99
67) Ethyl Benzene	11.51	91	1938246	48.620	ug/l	99
68) m/p-Xylenes	11.62	106	1429296	99.905	ug/l	98
69) o-Xylene	11.95	106	705783	50.192	ug/l	99
70) Styrene	11.96	104	1187132	52.695	ug/l	99
71) Bromoform	12.13	173	267532	54.255	ug/l	100
73) Isopropylbenzene	12.25	105	1862017	50.913	ug/l	100
74) N-amyl acetate	12.07	43	762907	45.265	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	603622	50.754	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	539094m	44.607	ug/l	
77) Bromobenzene	12.53	156	439275	44.900	ug/l	95
78) n-propylbenzene	12.59	91	2112391	44.365	ug/l	99
79) 2-Chlorotoluene	12.67	91	1297559	43.728	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1588071	44.730	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	145788	44.512	ug/l	99
82) 4-Chlorotoluene	12.77	91	1268648	45.246	ug/l	99
83) tert-Butylbenzene	12.99	119	1334770	43.861	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1536472	47.187	ug/l	100
85) sec-Butylbenzene	13.17	105	1758195	43.472	ug/l	99
86) p-Isopropyltoluene	13.29	119	1494890	45.416	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	725860	48.015	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	697852	46.775	ug/l	99
89) n-Butylbenzene	13.61	91	1156463	45.328	ug/l	99
90) Hexachloroethane	13.87	117	239680	44.639	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	734507	48.614	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	95284	46.676	ug/l	97

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ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	270715	41.718	ug/l	98
94) Hexachlorobutadiene	15.01	225	213763	47.702	ug/l	100
95) Naphthalene	15.13	128	750757	41.115	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	304708	43.123	ug/l	100

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

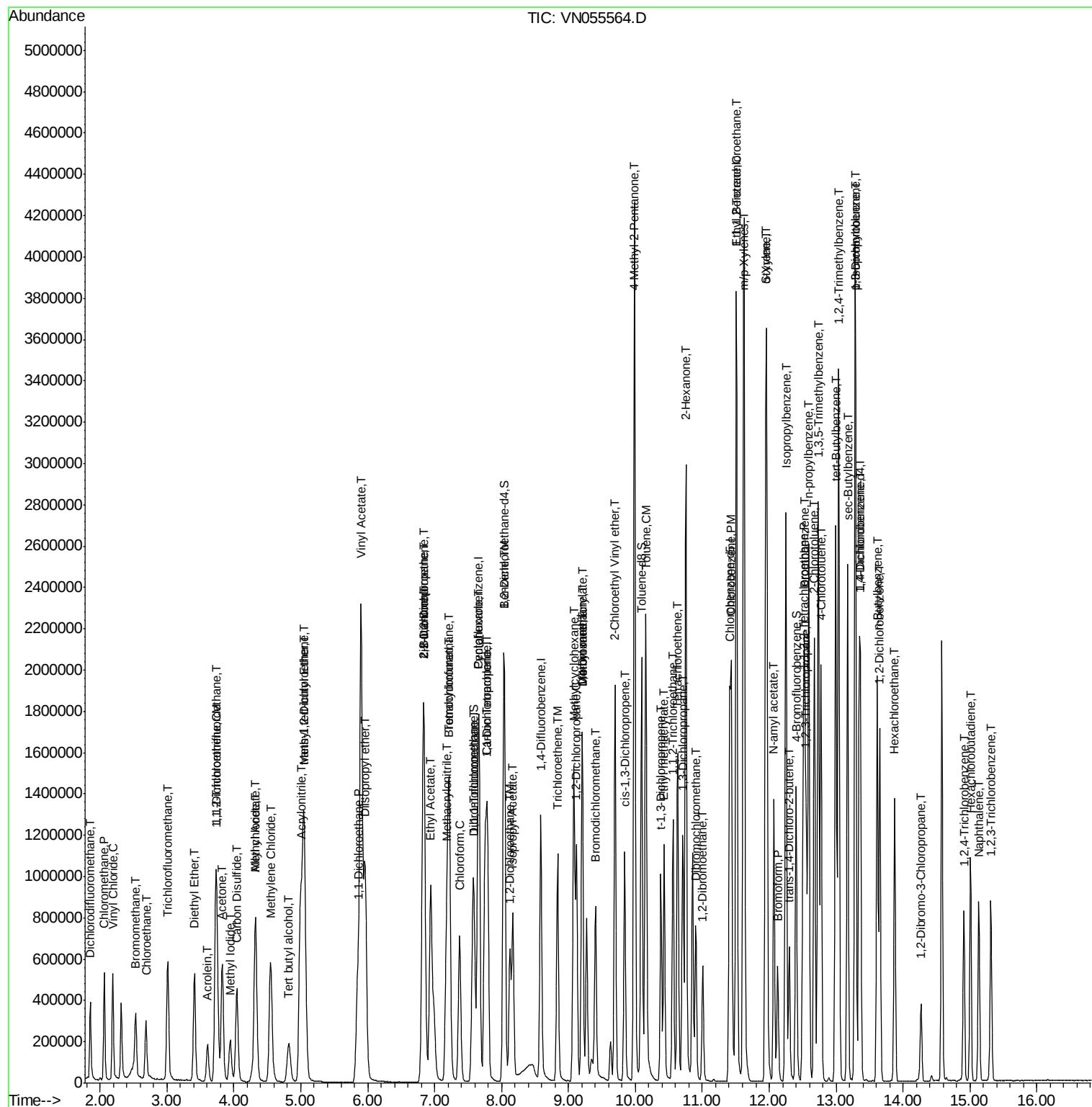
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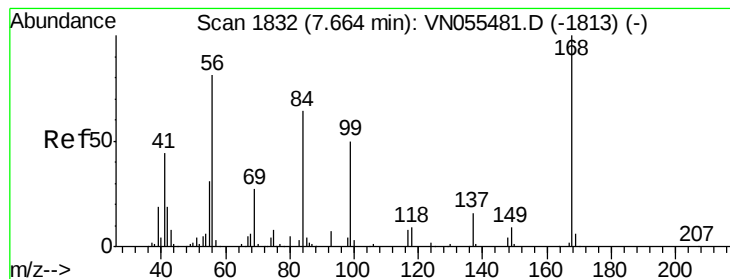
Instrument :
MSVOA_N
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 670657

Ion Ratio Lower Upper

168 100

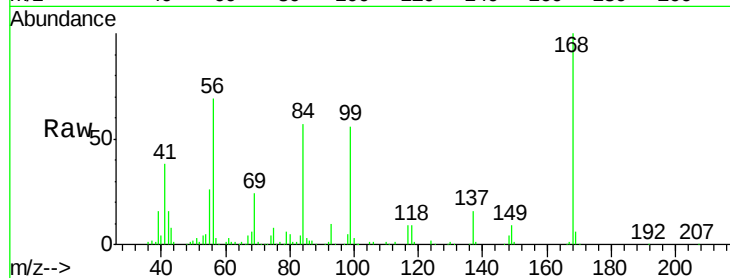
99 55.3 47.0 70.4

Manual Integrations

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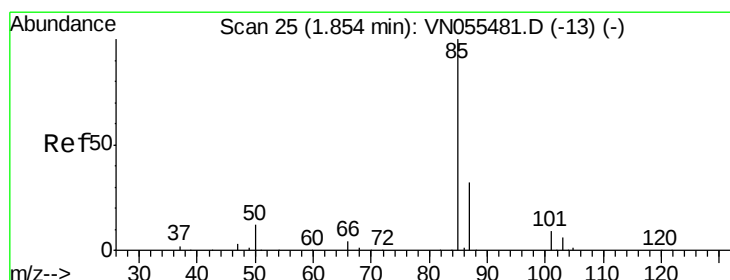
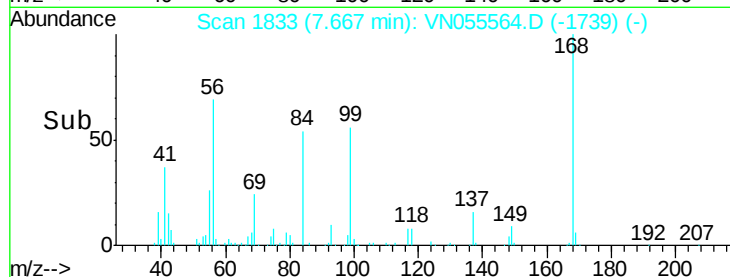
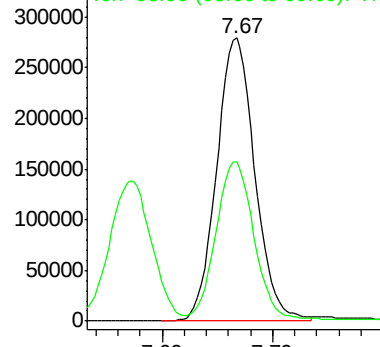
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 43.922 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055564.D

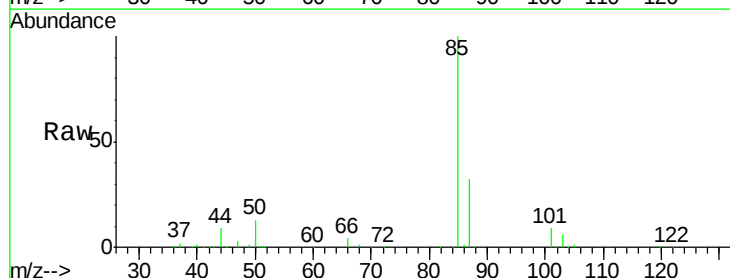
Acq: 10 May 2019 20:19

Tgt Ion: 85 Resp: 299900

Ion Ratio Lower Upper

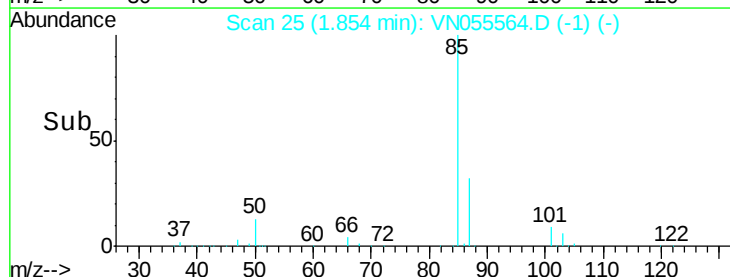
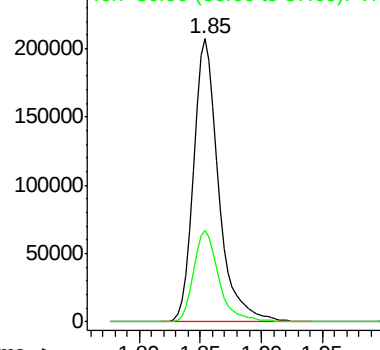
85 100

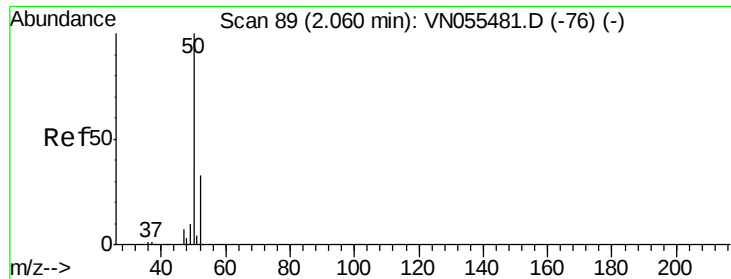
87 32.3 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.676 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 484496

Ion Ratio Lower Upper

50 100

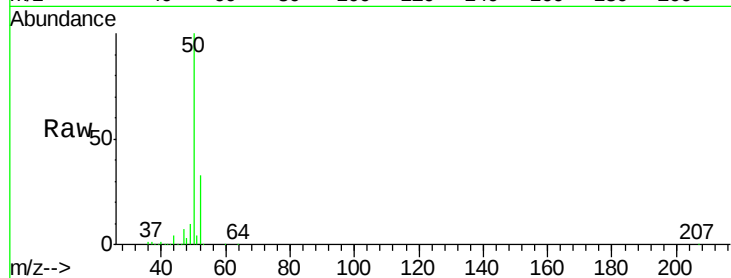
52 33.2 26.6 39.8

Manual Integrations

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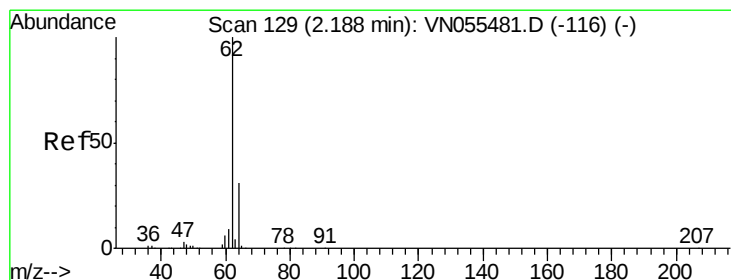
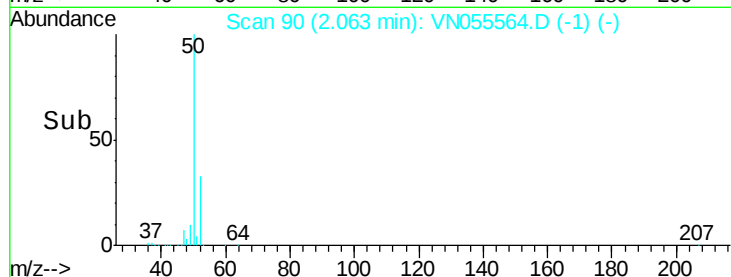
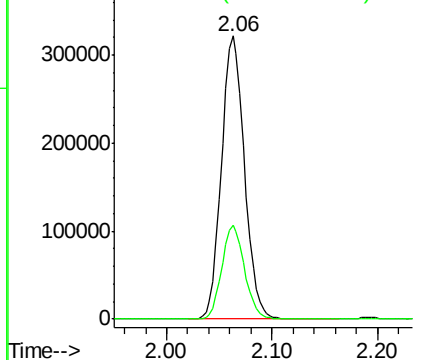
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 45.426 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055564.D

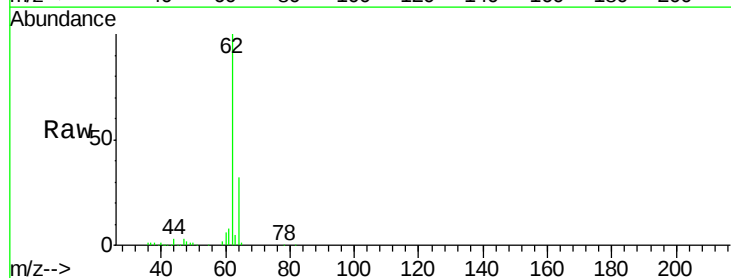
Acq: 10 May 2019 20:19

Tgt Ion: 62 Resp: 475666

Ion Ratio Lower Upper

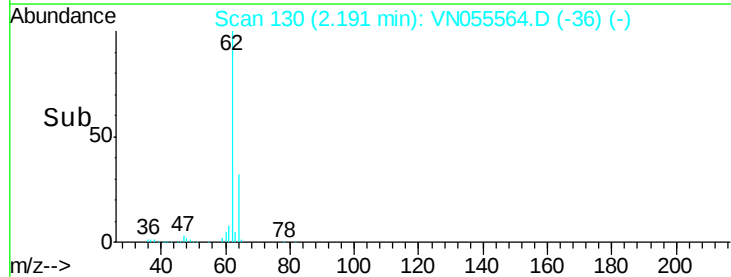
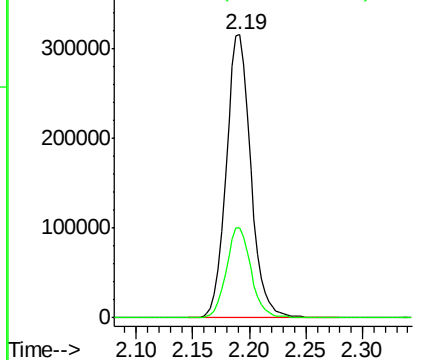
62 100

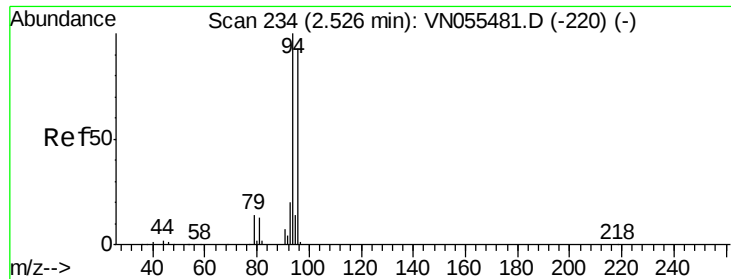
64 31.8 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 36.866 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

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Tot Ion: 94 Resp: 211513

Ion Ratio Lower Upper

94 100

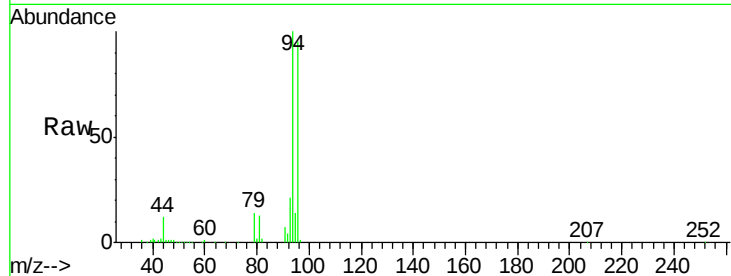
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Manual Integrations

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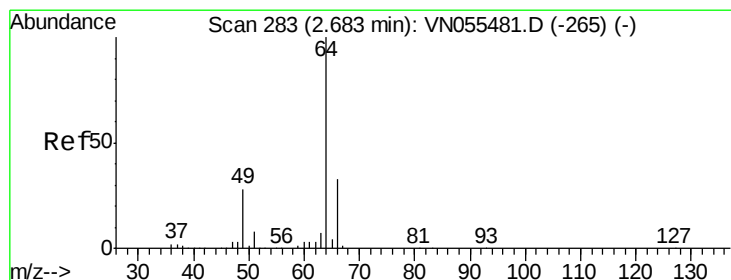
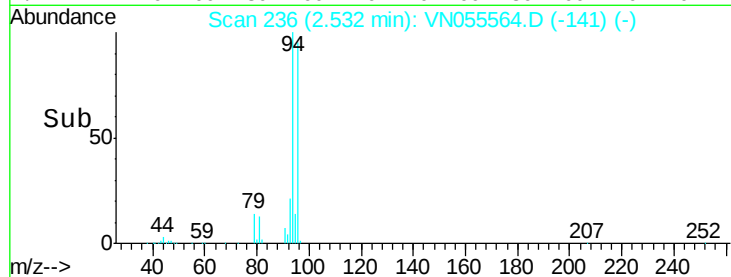
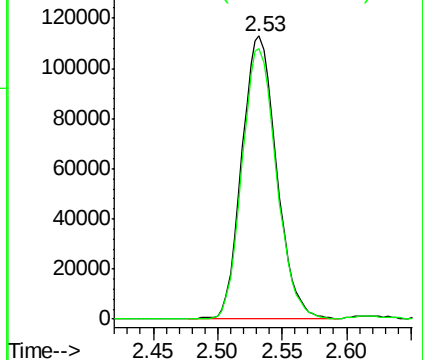
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 46.900 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN055564.D

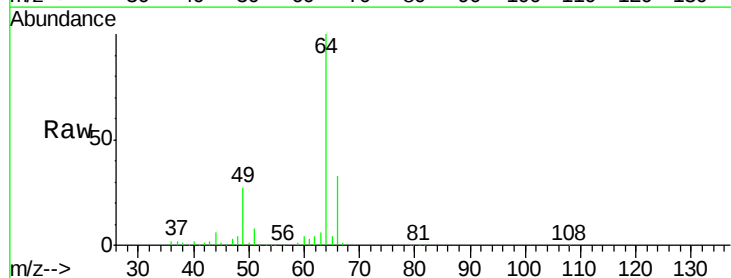
Acq: 10 May 2019 20:19

Tgt Ion: 64 Resp: 286061

Ion Ratio Lower Upper

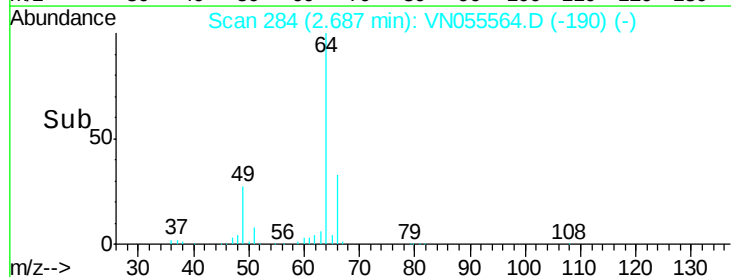
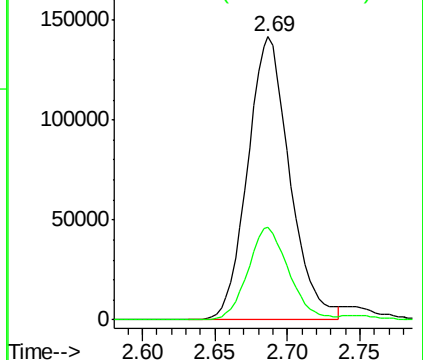
64 100

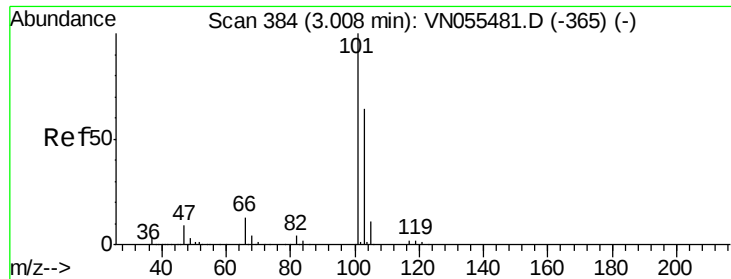
66 32.5 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

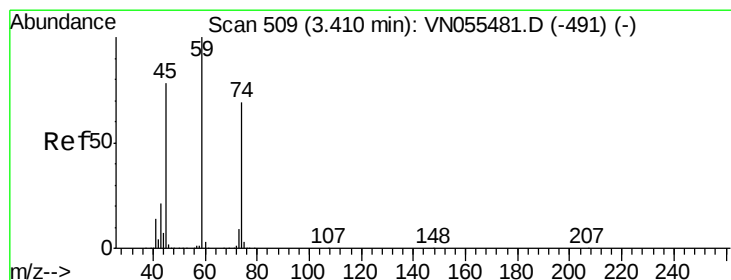
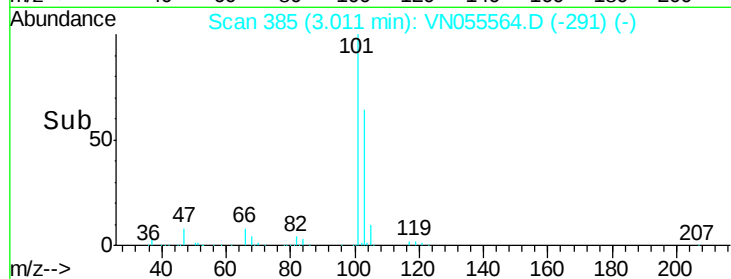
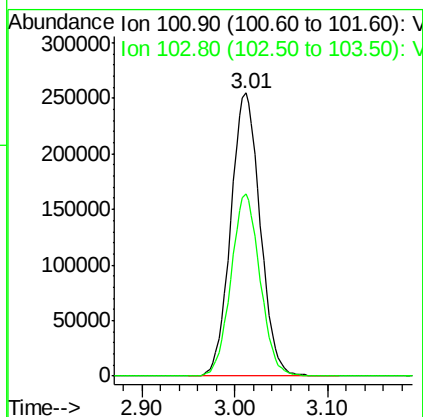
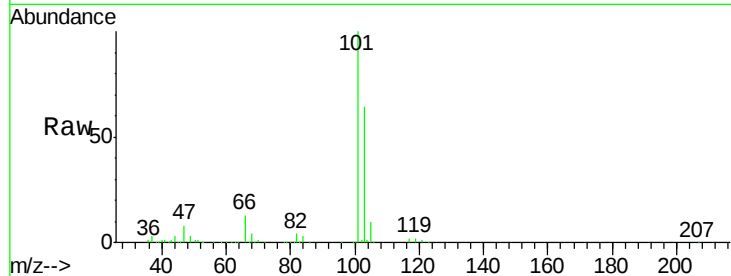
Trichlorofluoromethane
Concen: 48.765 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.00 min
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.2	76.8

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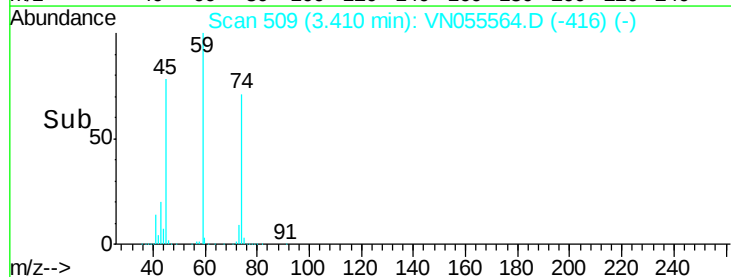
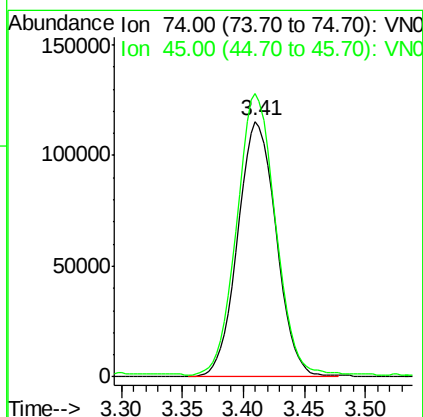
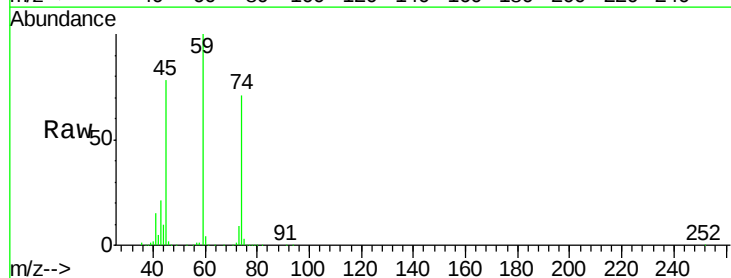
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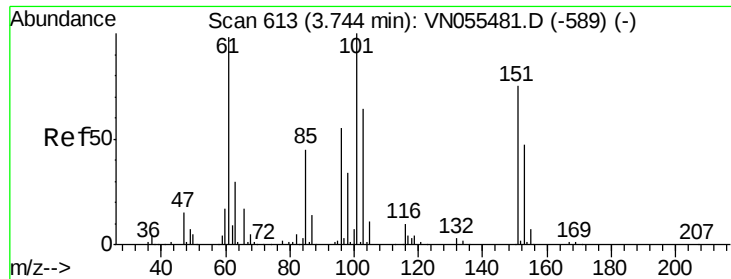


#8

Diethyl Ether
Concen: 48.824 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.2	58.1	174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.505 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

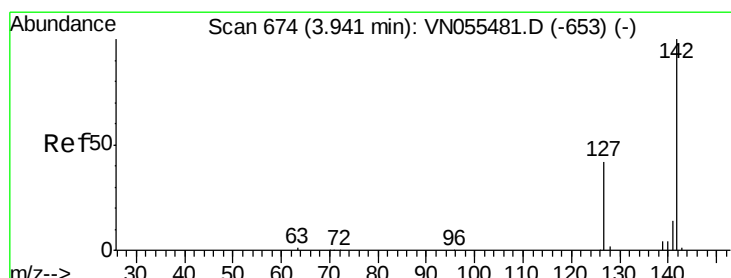
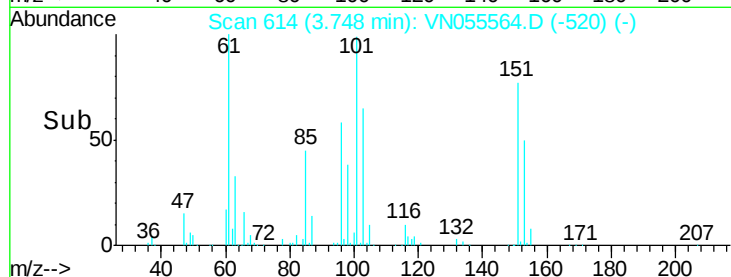
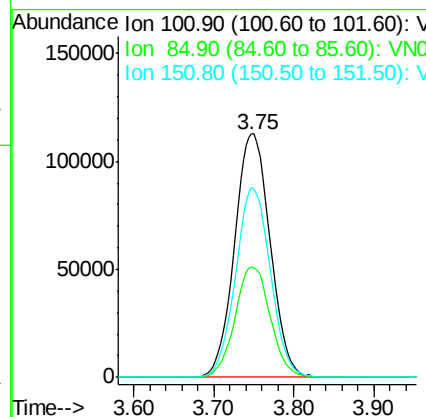
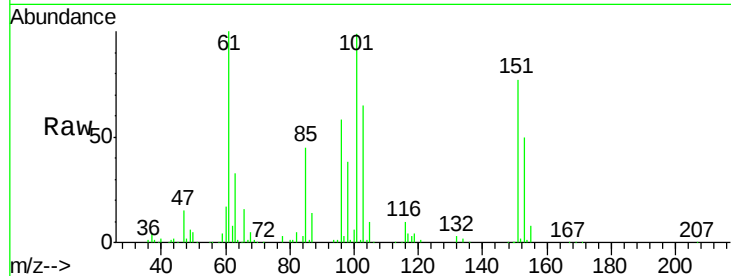
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	339890
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.5	53.3
151	76.3	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 34.544 ug/l

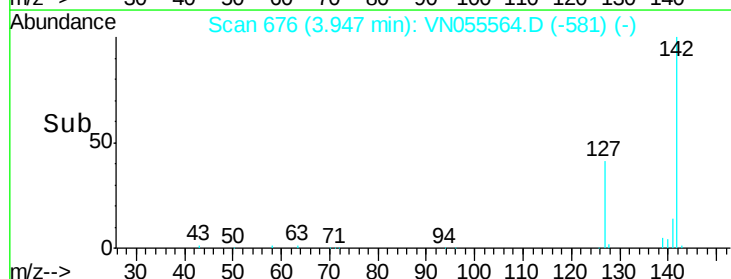
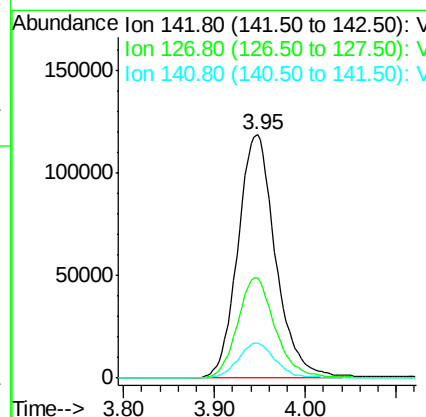
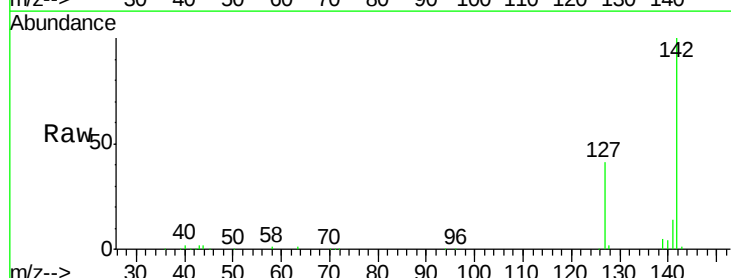
RT: 3.95 min Scan# 676

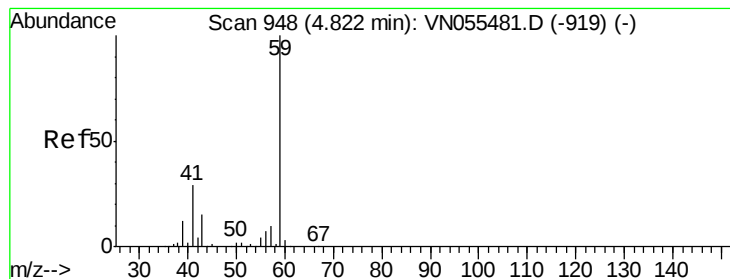
Delta R.T. 0.01 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Tgt Ion:	142	Resp:	341240
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.0	49.4
141	14.4	11.4	17.0





#11

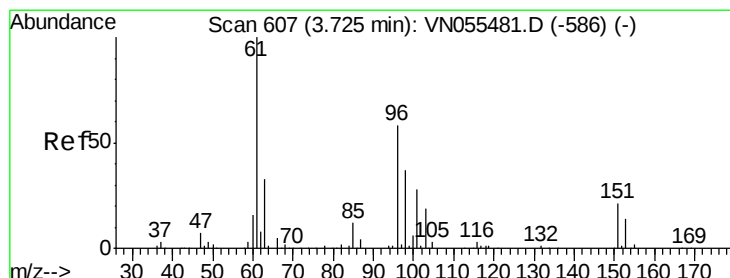
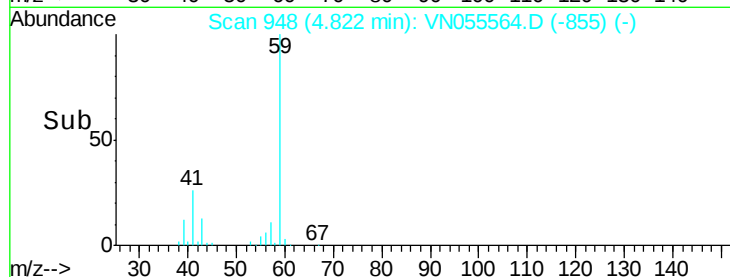
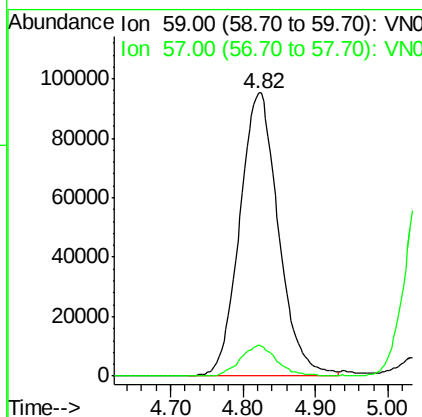
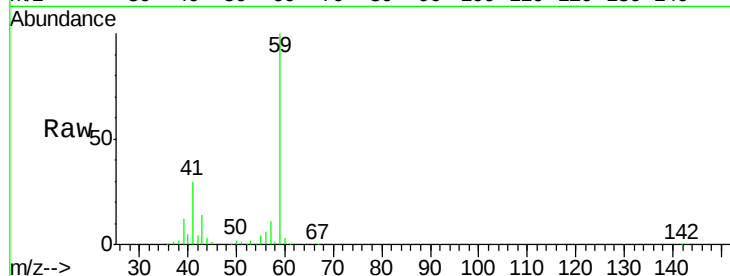
Tert butyl alcohol
 Concen: 237.760 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.2	8.0	12.0

Manual Integrations
 APPROVED

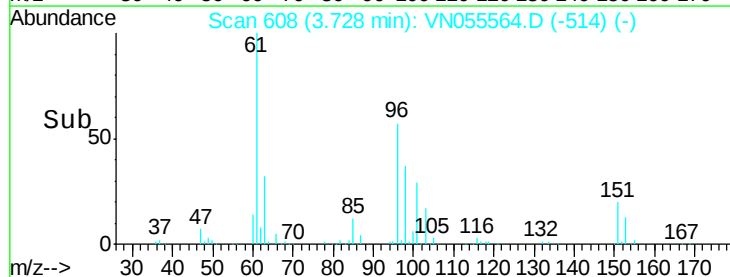
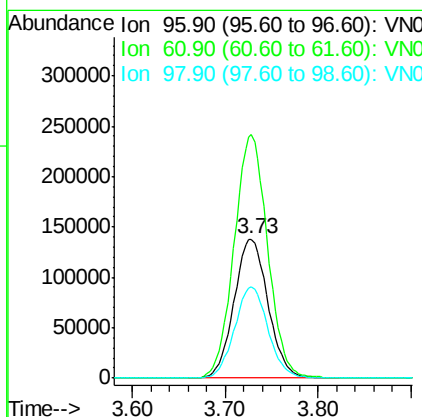
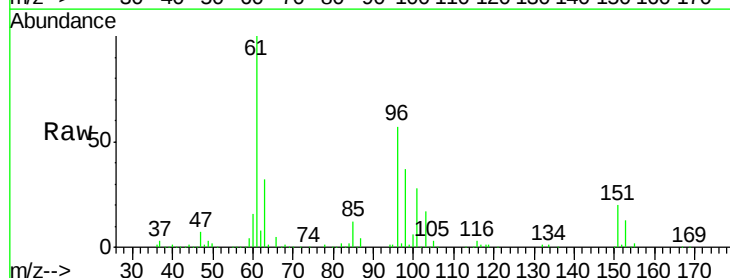
MMDadoda
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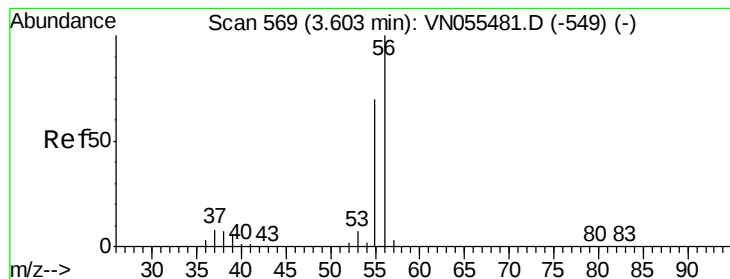


#12

1,1-Dichloroethene
 Concen: 47.914 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	174.8	138.7	208.1
98	98	65.5	50.6	76.0





#13

Acrolein

Concen: 209.247 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 207923

Ion Ratio Lower Upper

56 100

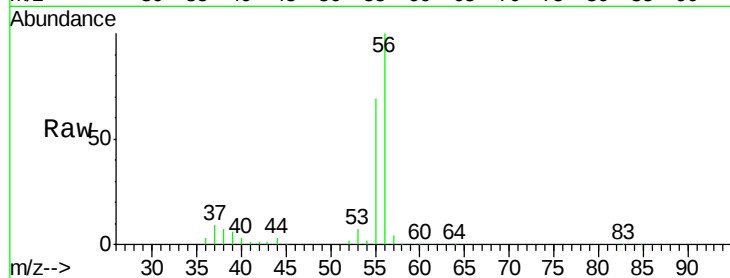
55 72.7 57.7 86.5

Manual Integrations

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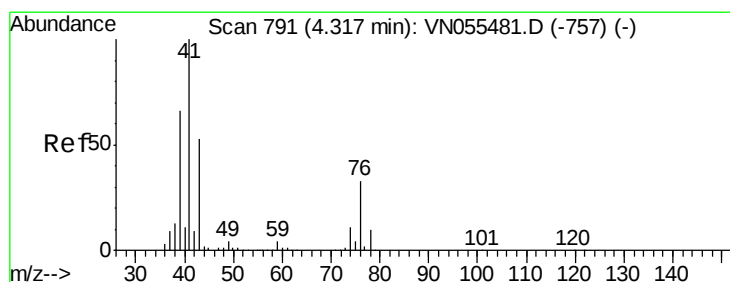
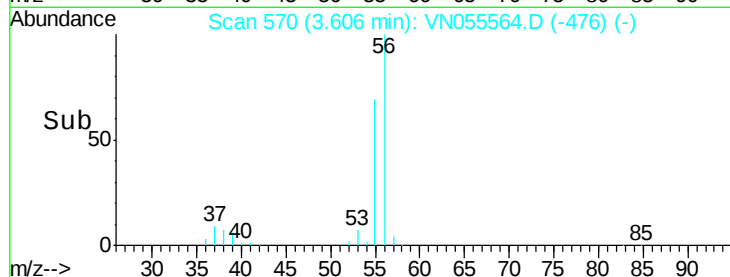
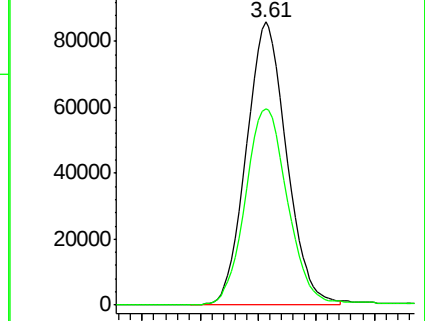
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.138 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

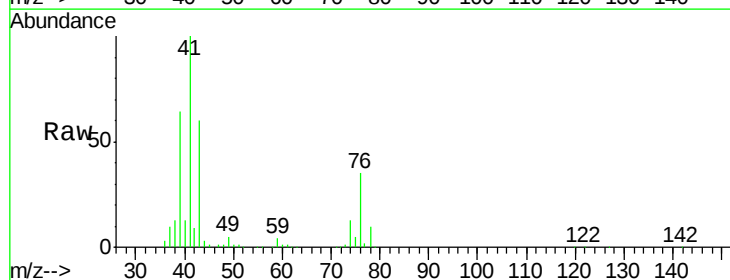
Tgt Ion: 41 Resp: 692765

Ion Ratio Lower Upper

41 100

39 61.4 49.8 74.8

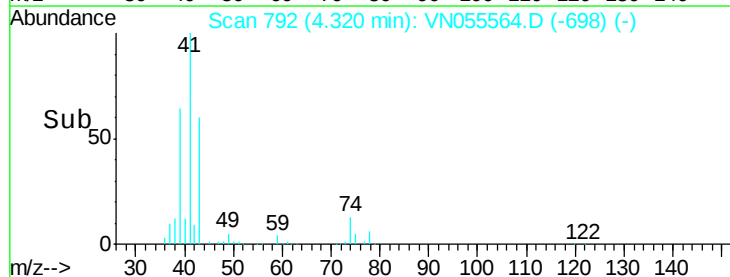
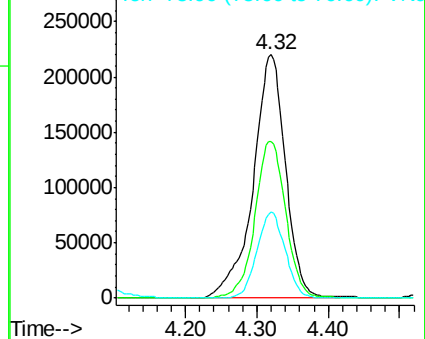
76 30.6 23.5 35.3

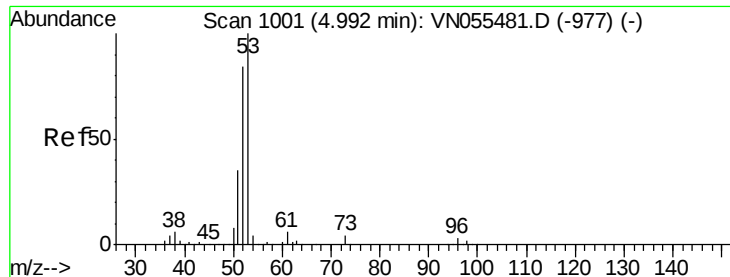


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 240.779 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 1111607

Ion Ratio Lower Upper

53 100

52 83.0 66.1 99.1

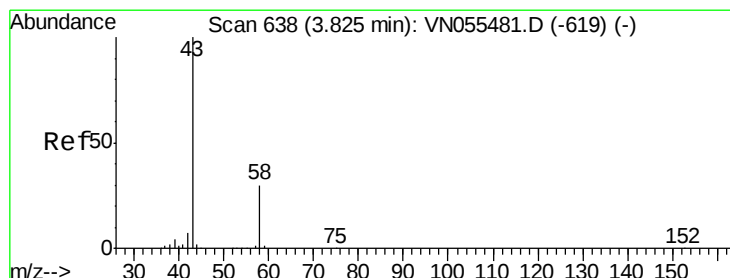
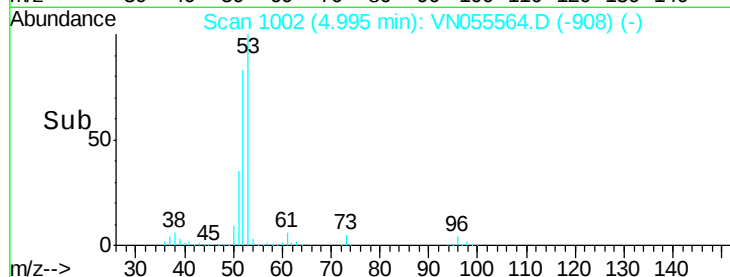
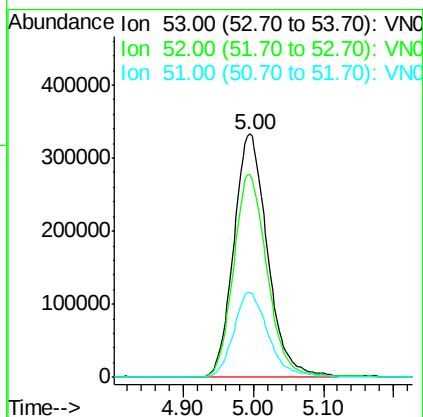
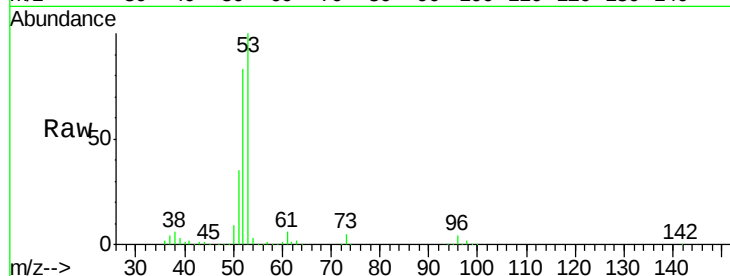
51 36.1 28.3 42.5

Manual Integrations

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#16

Acetone

Concen: 200.822 ug/l

RT: 3.82 min Scan# 638

Delta R.T. -0.00 min

Lab File: VN055564.D

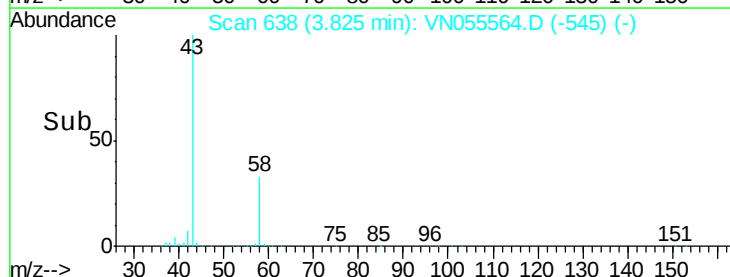
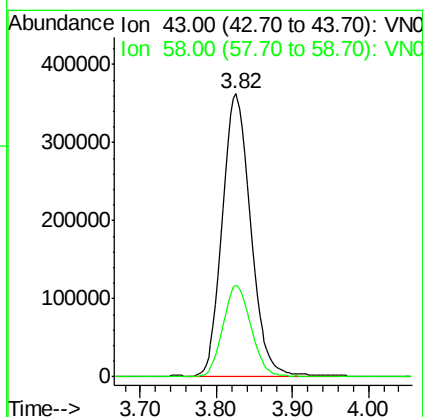
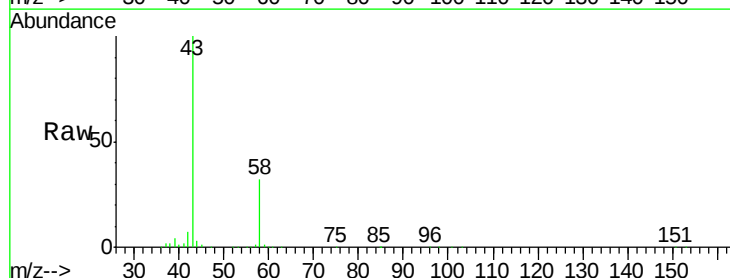
Acq: 10 May 2019 20:19

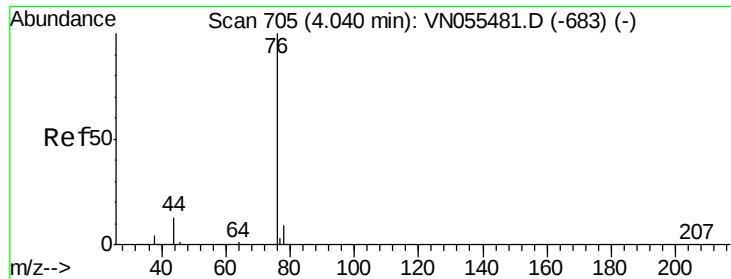
Tgt Ion: 43 Resp: 938965

Ion Ratio Lower Upper

43 100

58 32.5 24.2 36.2





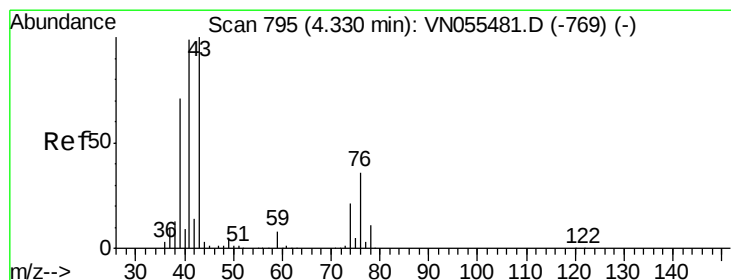
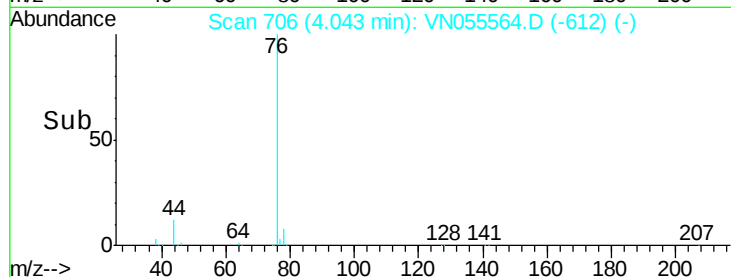
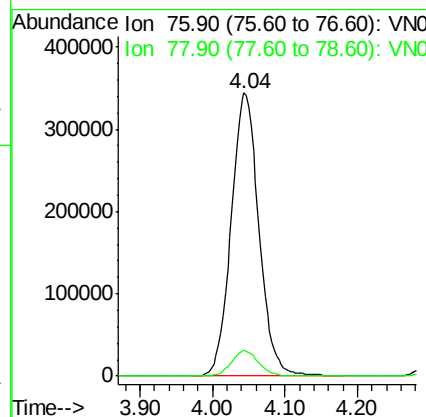
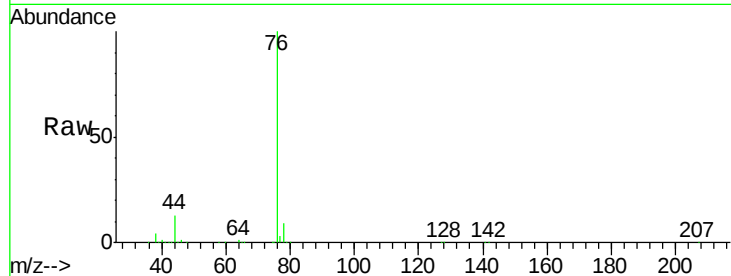
#17
Carbon Disulfide
Concen: 45.816 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

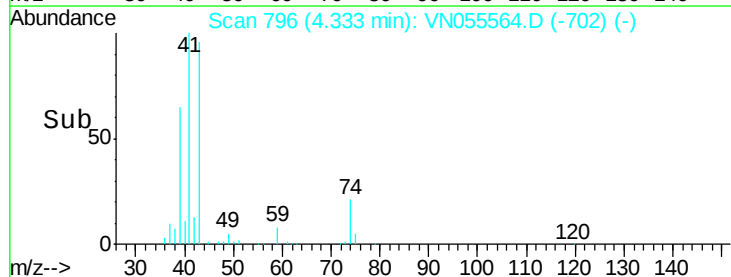
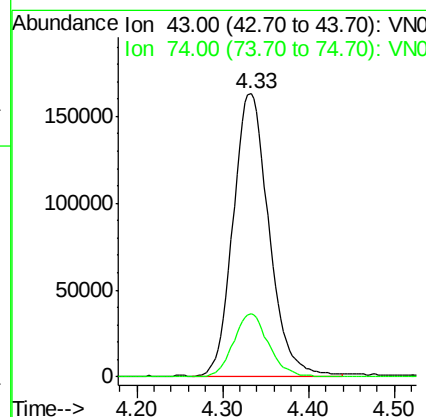
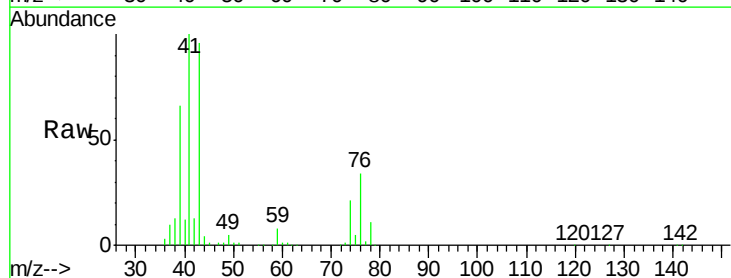
Manual Integrations
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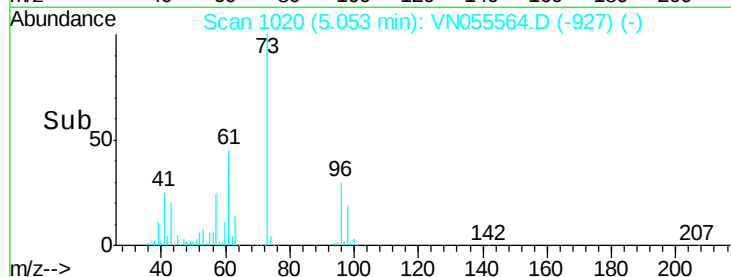
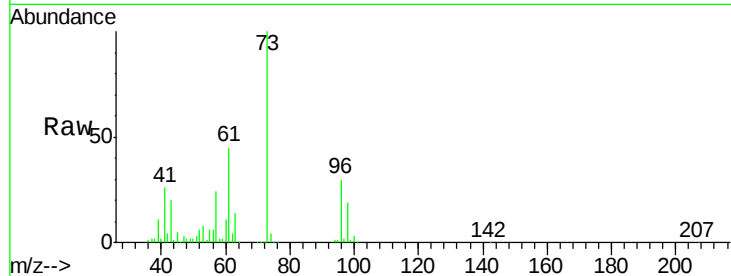
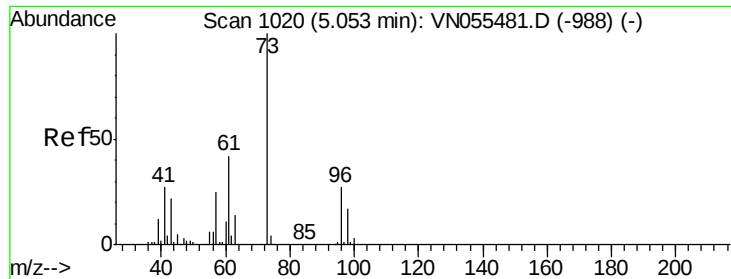
MMDadoda
5/11/2019 1:45:56 PM



#18
Methyl Acetate
Concen: 47.816 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	16.3	24.5





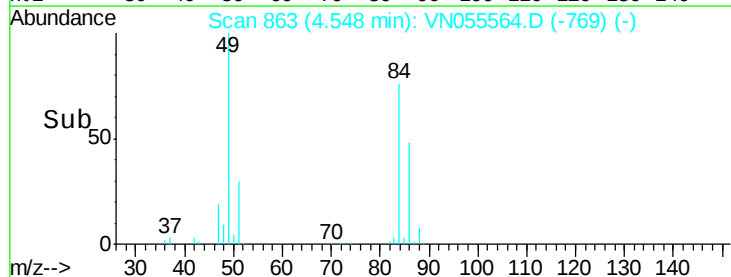
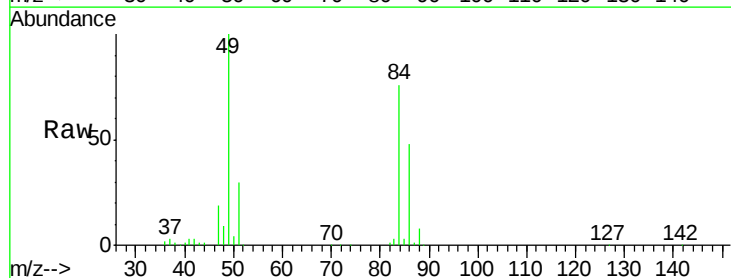
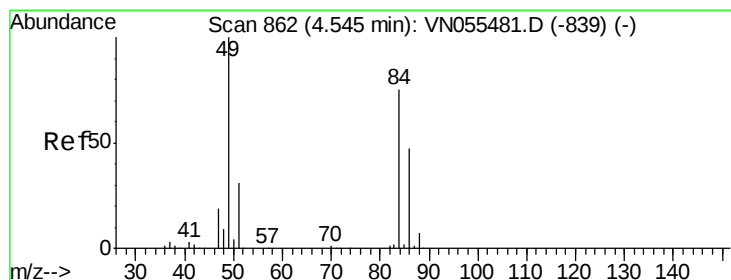
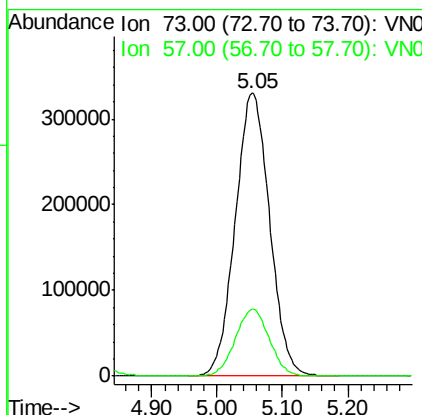
#19
Methyl tert-butyl Ether
Concen: 49.580 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tot Ion: 73 Resp: 1207563
Ion Ratio Lower Upper
73 100
57 23.8 20.0 30.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

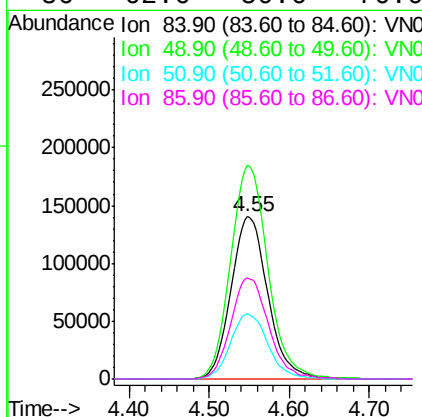
Manual Integrations
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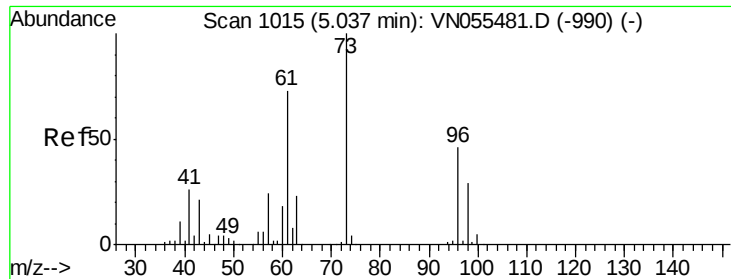
MMDadoda
5/11/2019 1:45:56 PM



#20
Methylene Chloride
Concen: 45.935 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion: 84 Resp: 439178
Ion Ratio Lower Upper
84 100
49 131.5 107.0 160.6
51 40.0 33.0 49.4
86 62.6 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 48.604 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

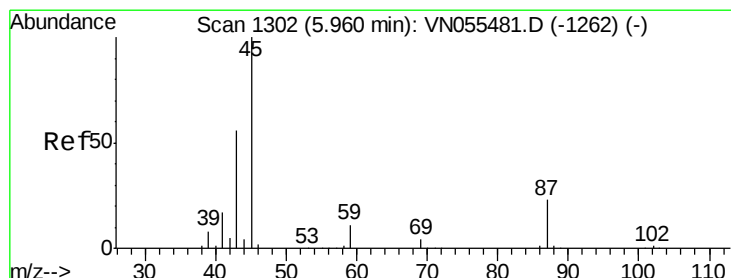
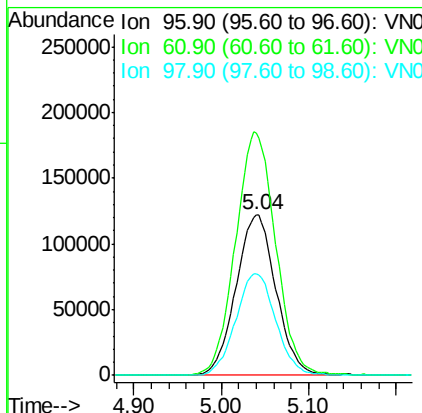
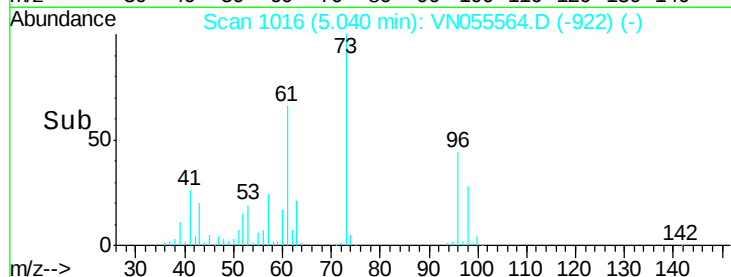
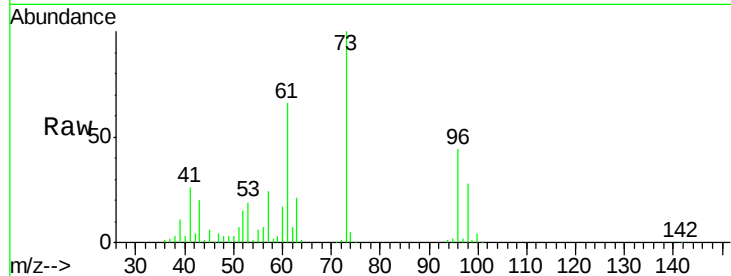
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	386265
Ion Ratio	Lower	Upper	
96	100		
61	151.1	127.4	191.0
98	63.1	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.532 ug/l

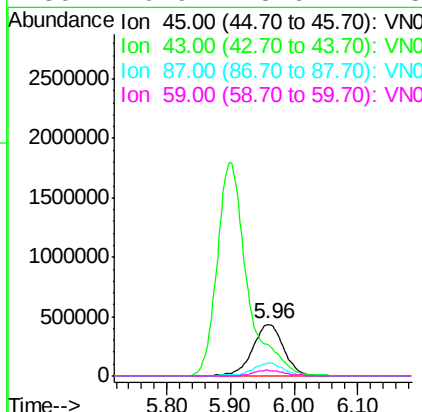
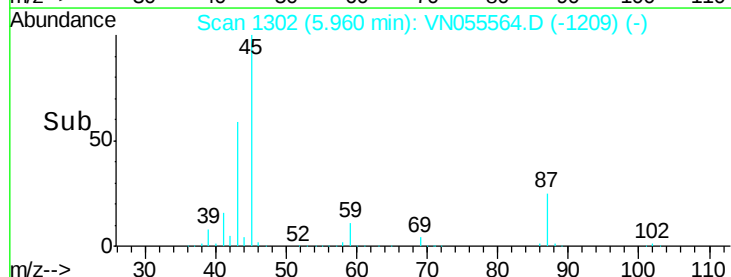
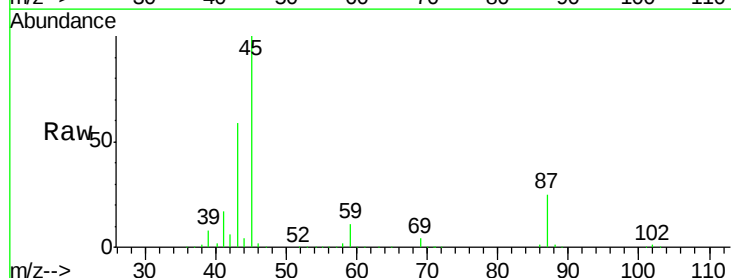
RT: 5.96 min Scan# 1302

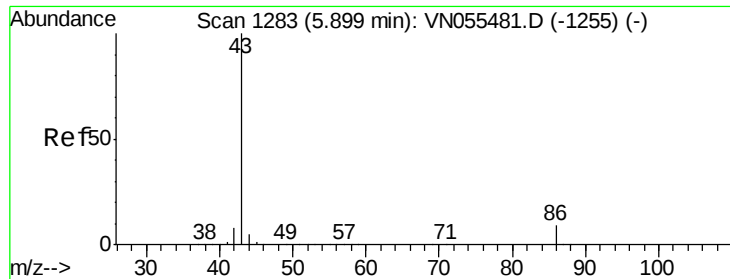
Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Tgt Ion:	45	Resp:	1480817
Ion Ratio	Lower	Upper	
45	100		
43	58.6	44.6	66.8
87	24.8	18.6	28.0
59	10.9	8.6	12.8





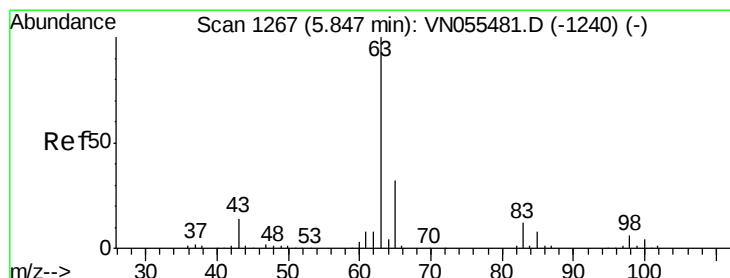
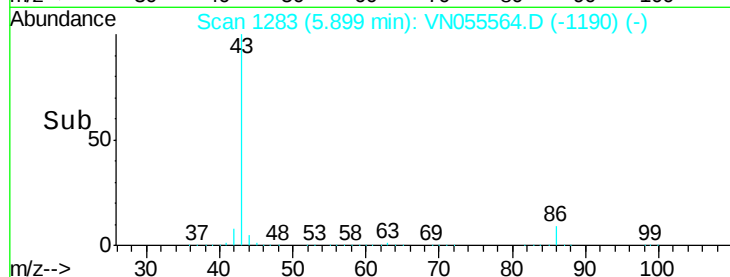
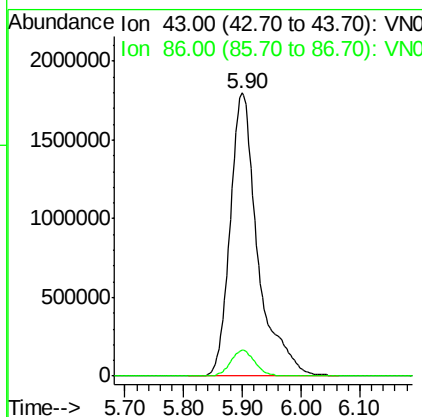
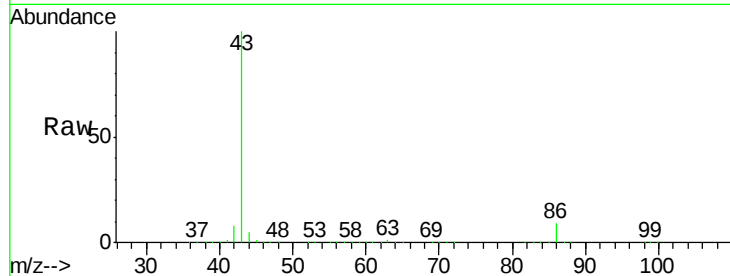
#23
 Vinyl Acetate
 Concen: 250.256 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 5905259
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.1 10.7

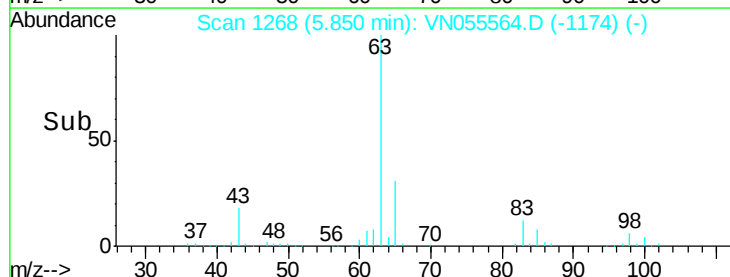
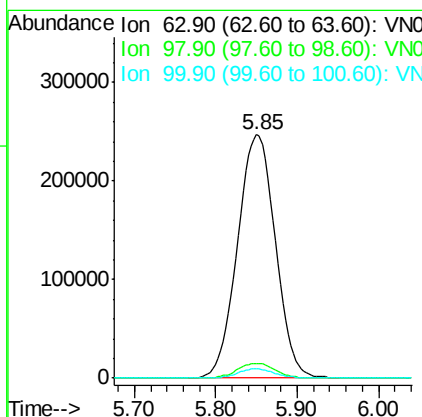
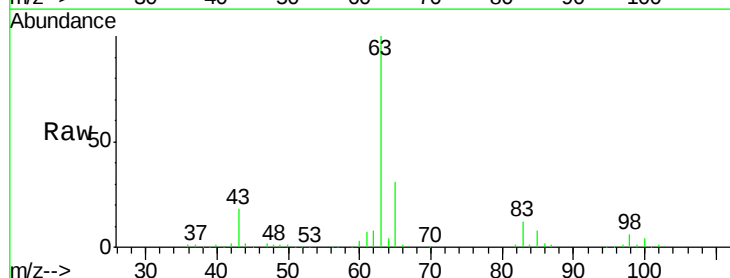
Manual Integrations
 APPROVED

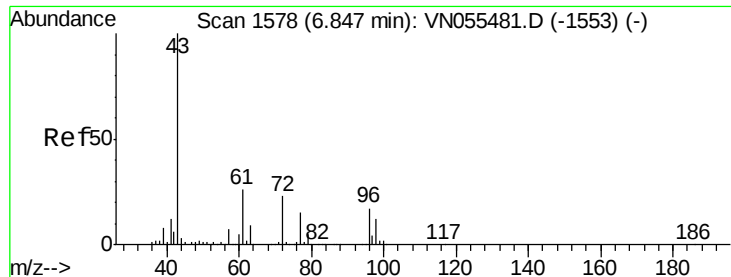
MMDadoda
 5/11/2019 1:45:56 PM



#24
 1,1-Dichloroethane
 Concen: 48.175 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Tgt Ion: 63 Resp: 793487
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.0 9.0
 100 3.8 1.9 5.7





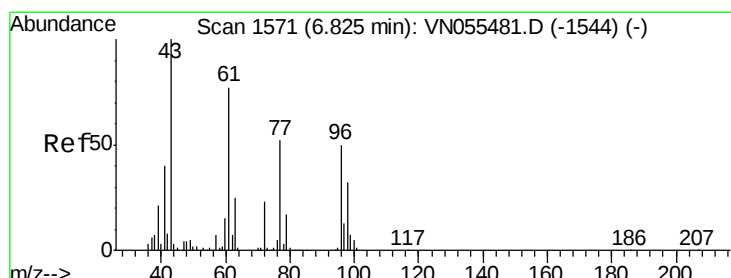
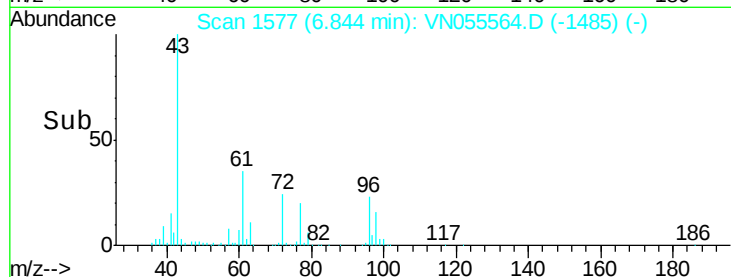
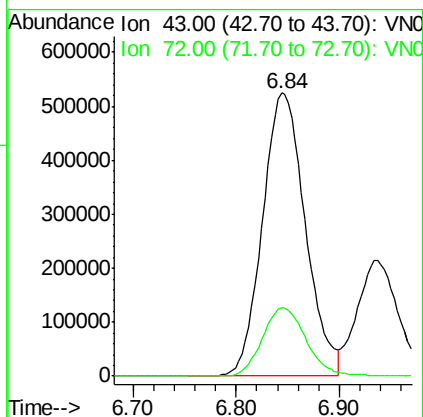
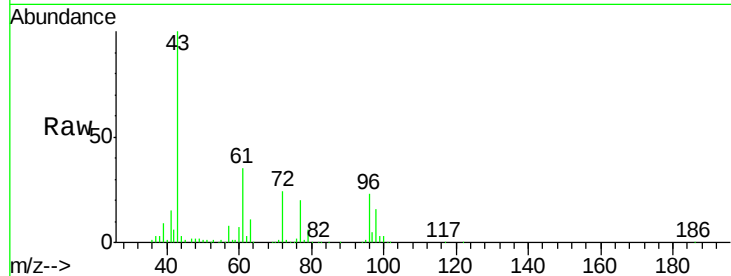
#25
2-Butanone
Concen: 233.411 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1507553
Ion Ratio Lower Upper
43 100
72 24.4 18.6 27.8

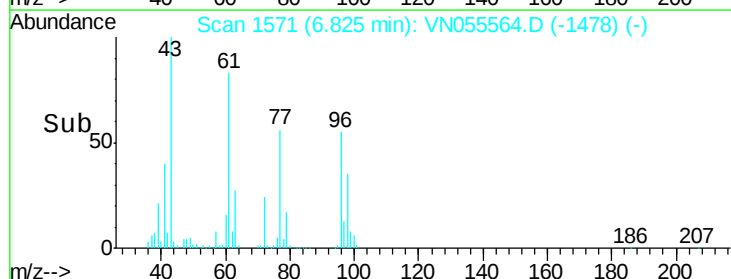
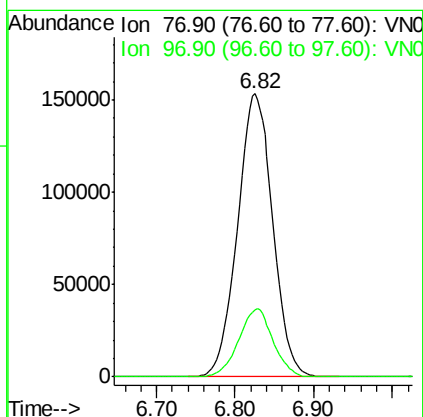
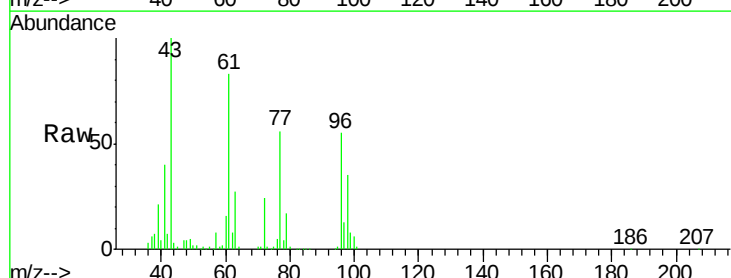
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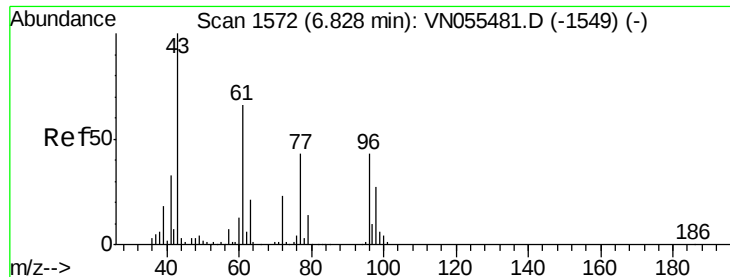
MMDadoda
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#26
2,2-Dichloropropane
Concen: 46.805 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion: 77 Resp: 480585
Ion Ratio Lower Upper
77 100
97 23.6 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 49.556 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

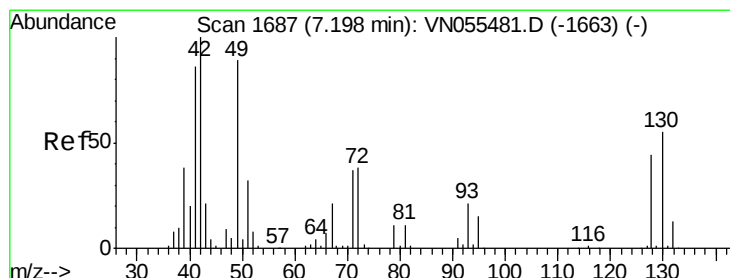
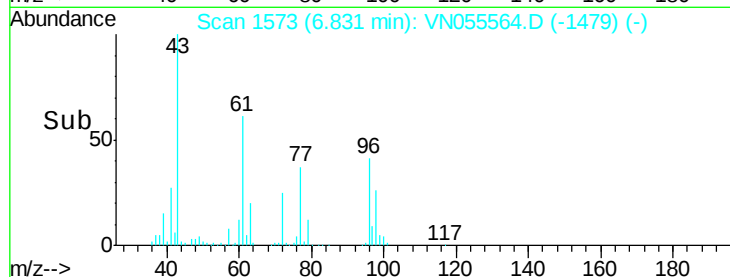
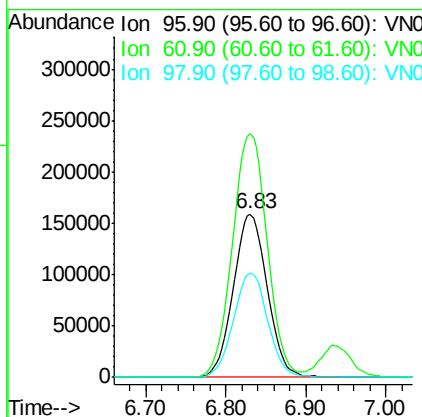
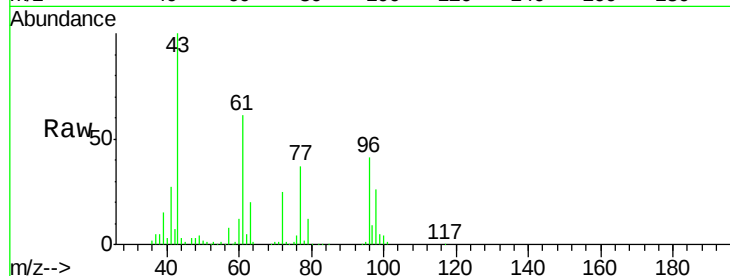
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	455146
Ion	Ratio	Lower	Upper
96	100		
61	152.7	0.0	310.8
98	64.9	0.0	129.4

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#28

Bromochloromethane

Concen: 49.796 ug/l

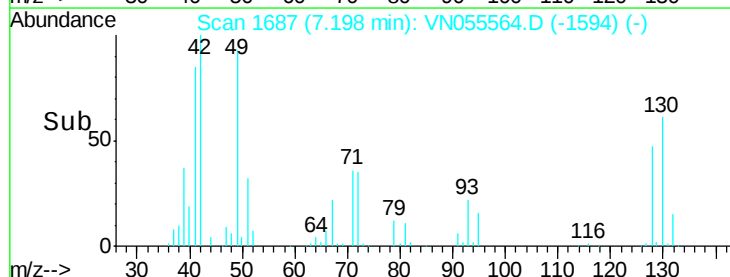
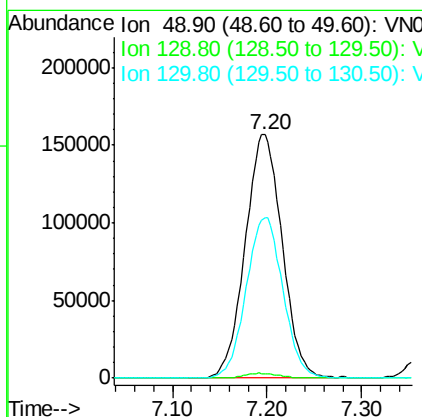
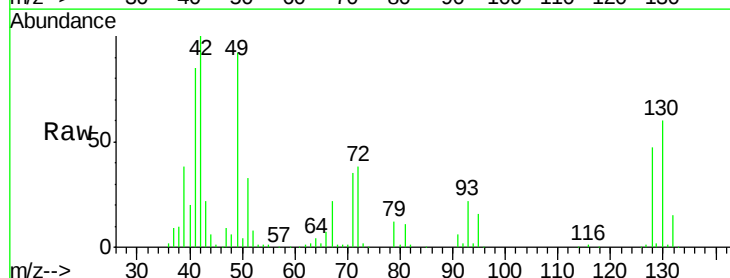
RT: 7.20 min Scan# 1687

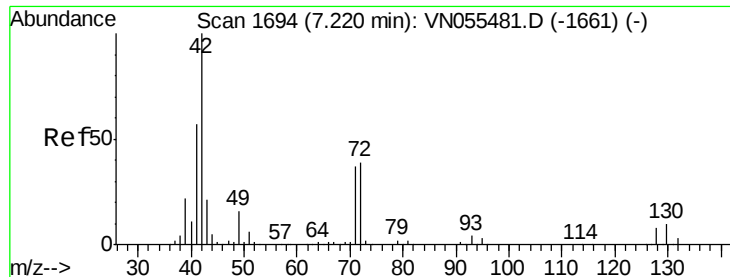
Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Tgt Ion:	49	Resp:	425941
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	65.7	49.5	74.3





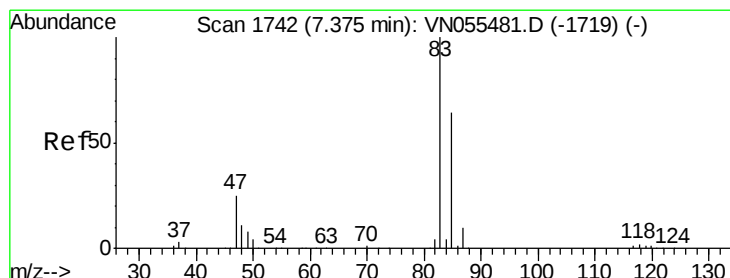
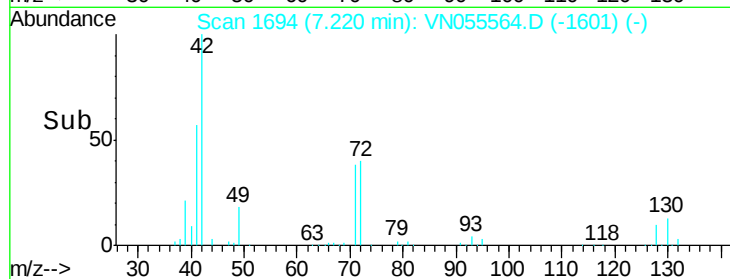
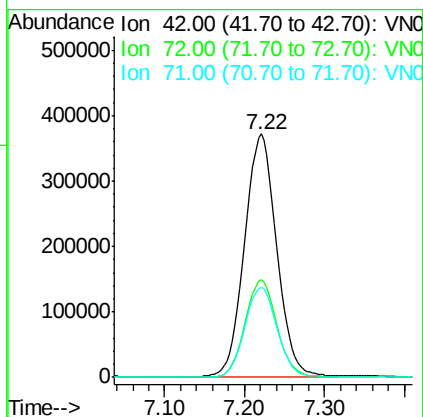
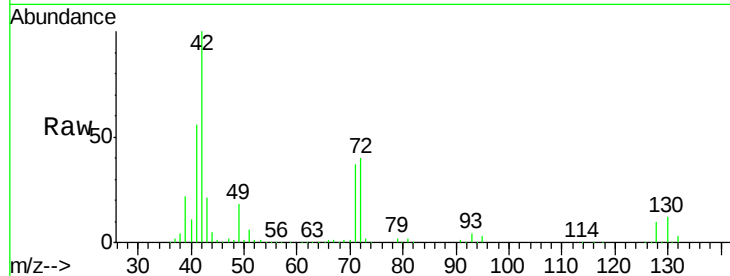
#29
Tetrahydrofuran
Concen: 237.405 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	31.0	46.6
71	37.2	29.4	44.2

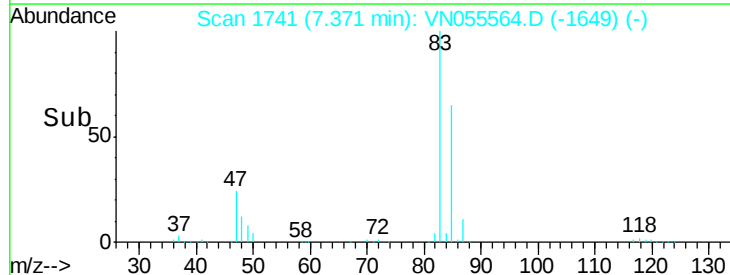
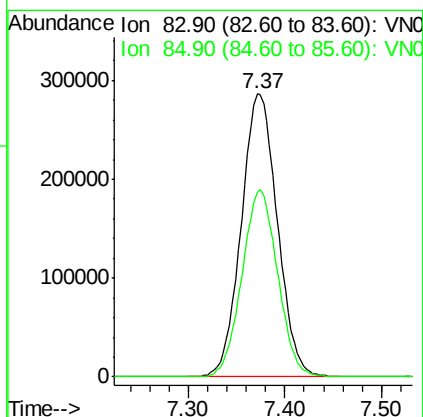
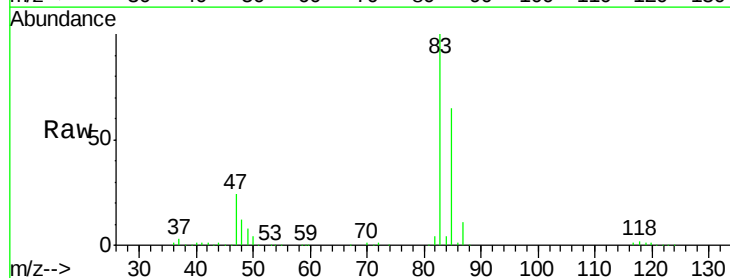
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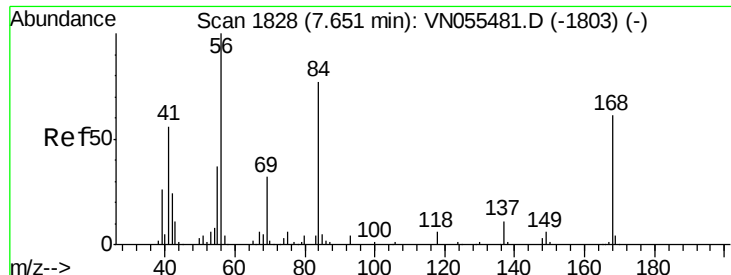
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#30
Chloroform
Concen: 48.739 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.3	76.9





#31

Cyclohexane

Concen: 44.212 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

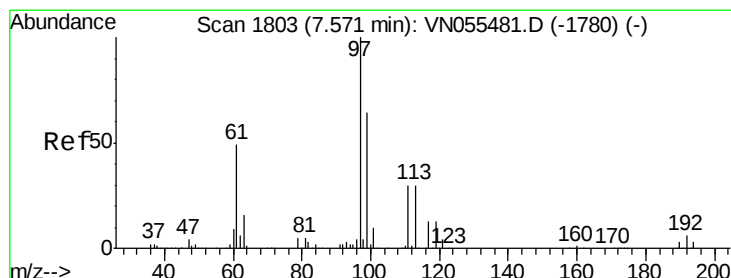
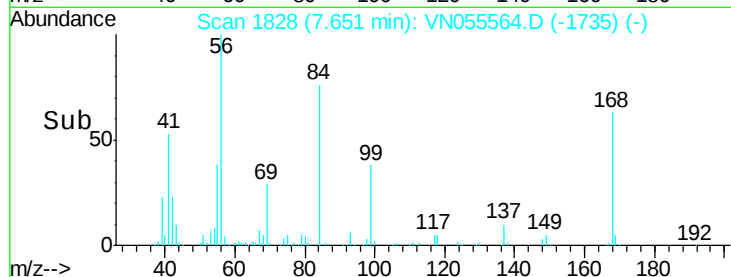
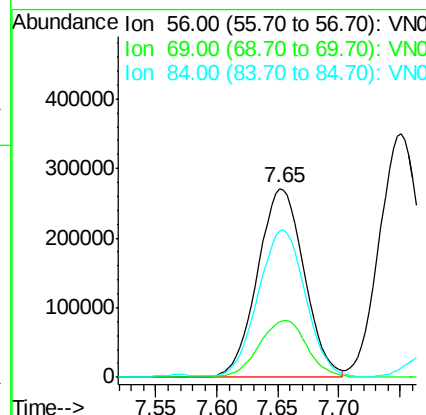
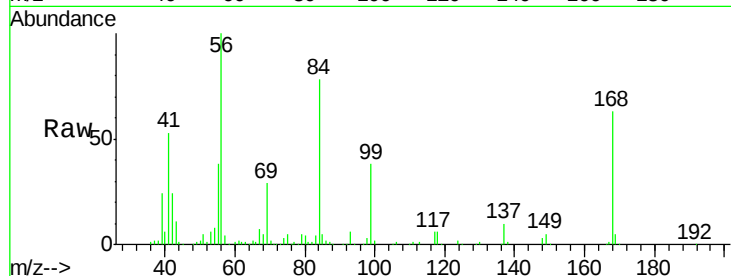
ClientSampleId :

VSTDCCC050EC

Tot Ion	56	Resp	720505
Ion	Ratio	Lower	Upper
56	100		
69	29.3	26.0	39.0
84	76.5	61.9	92.9

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#32

1,1,1-Trichloroethane

Concen: 49.842 ug/l

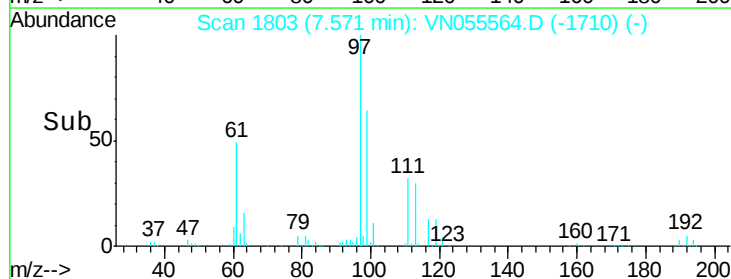
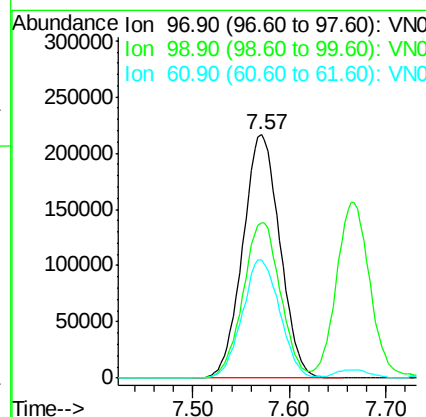
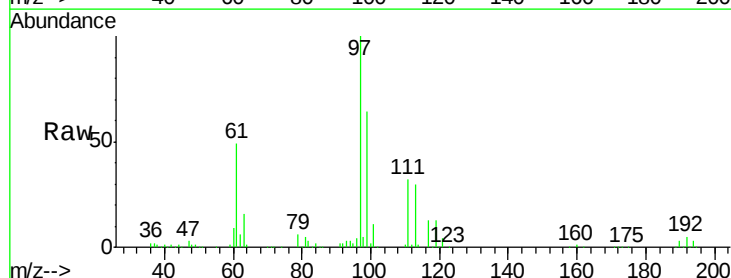
RT: 7.57 min Scan# 1803

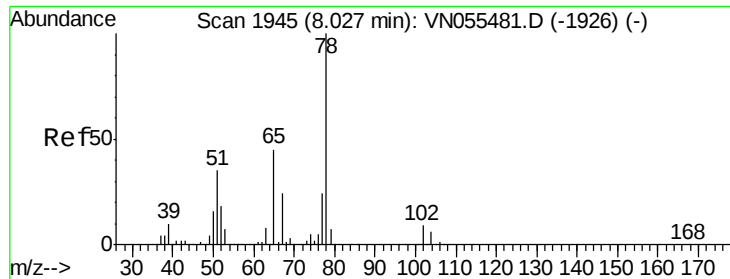
Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Tgt Ion	97	Resp	577940
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	49.1	39.2	58.8





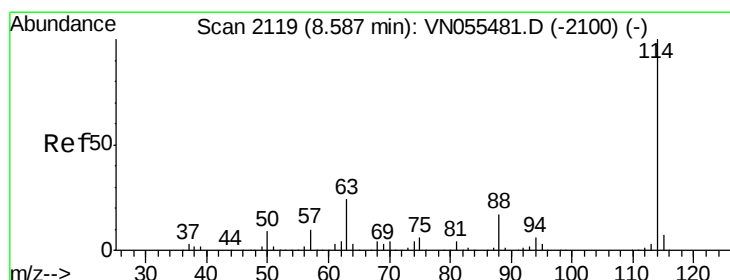
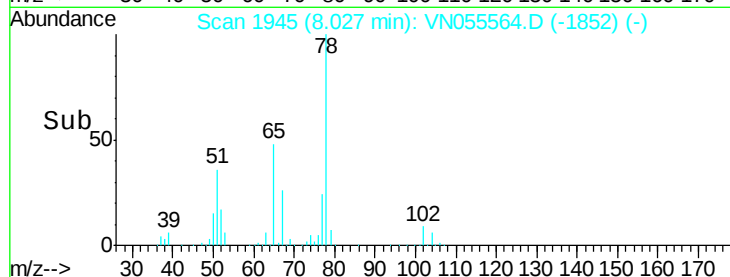
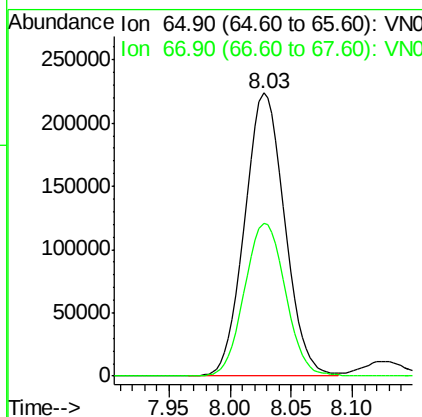
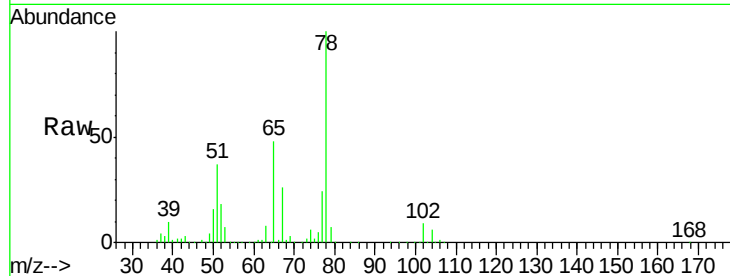
#33
 1,2-Dichloroethane-d4
 Concen: 50.437 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	509303		
67	55.3	0.0	109.6	

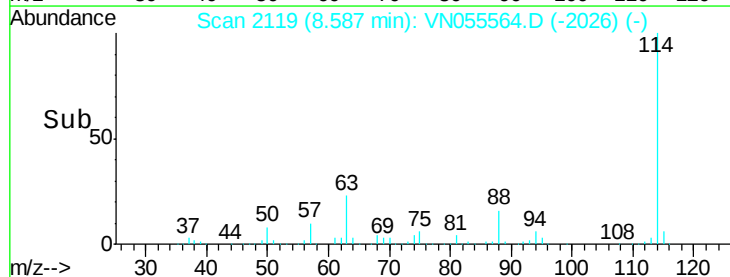
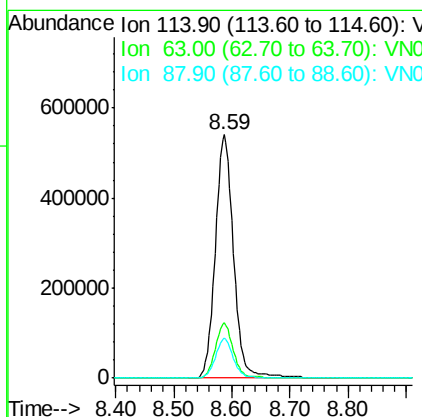
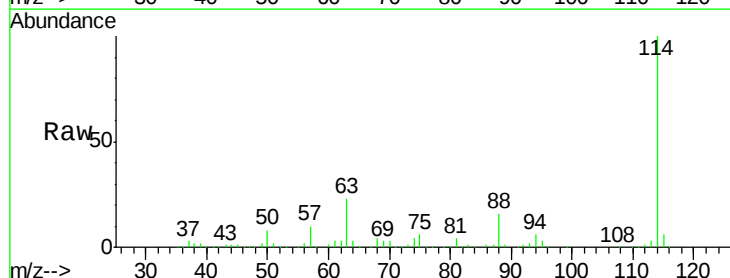
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1182890		
63	22.7	0.0	47.4	
88	16.5	0.0	34.0	





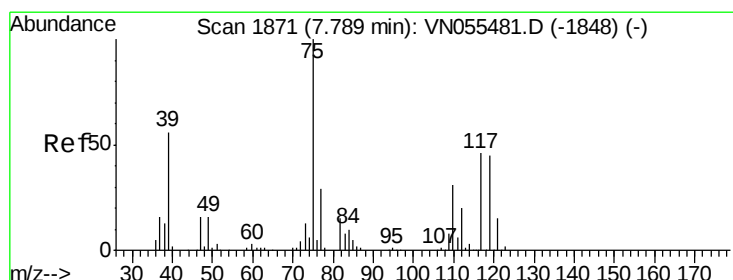
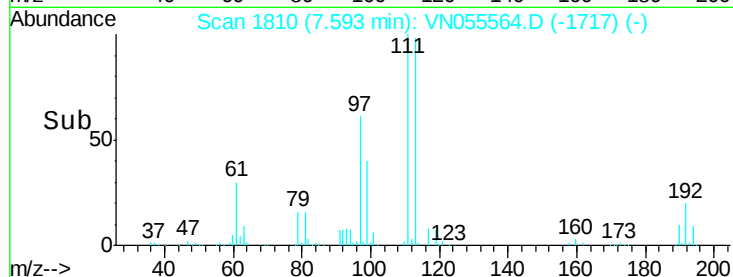
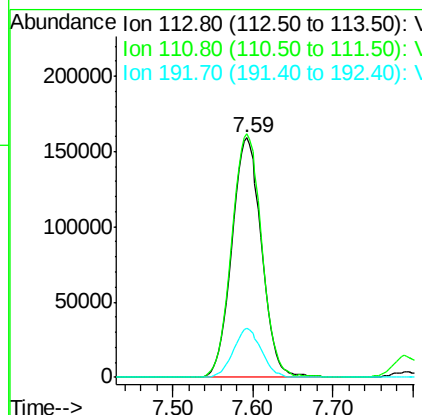
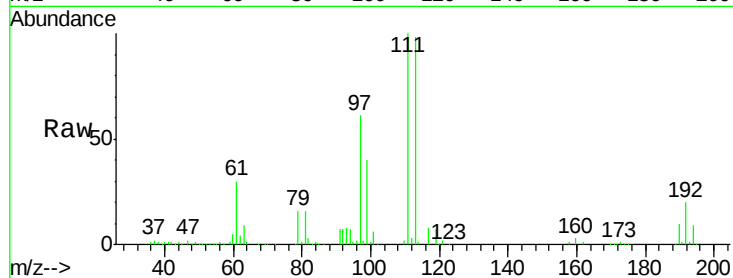
#35
 Dibromofluoromethane
 Concen: 52.368 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	399601		
111	102.9	82.9	124.3	
192	19.3	15.6	23.4	

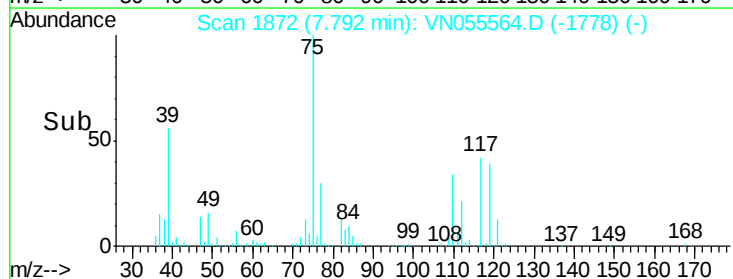
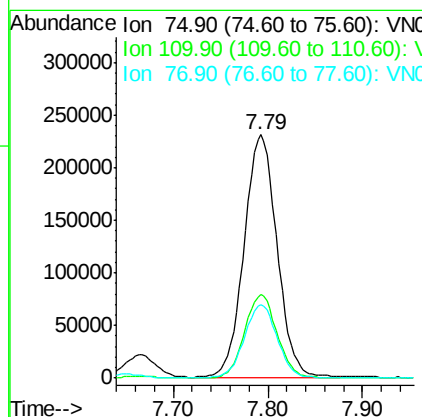
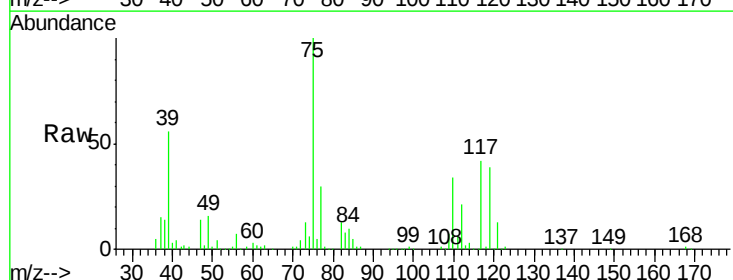
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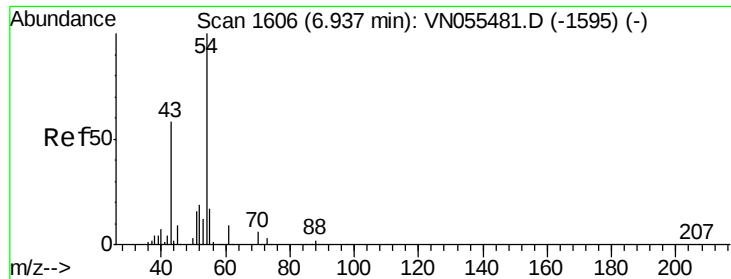
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#36
 1,1-Dichloropropene
 Concen: 47.766 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	556639		
110	34.2	16.1	48.3	
77	30.5	24.6	37.0	





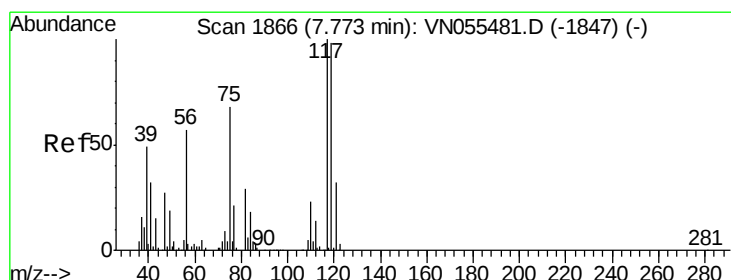
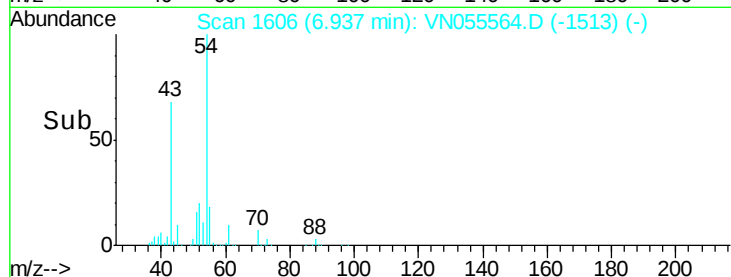
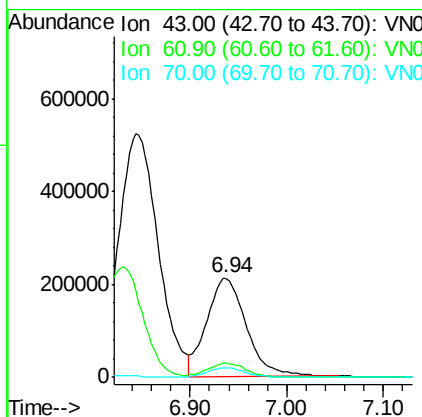
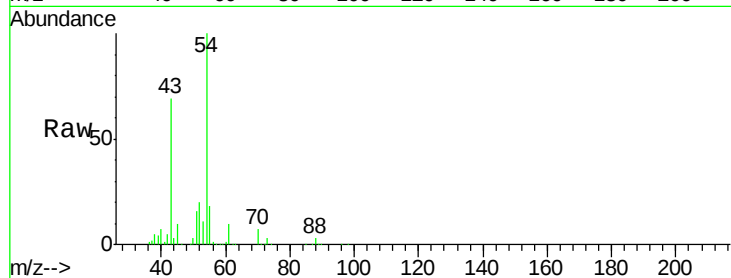
#37
Ethyl Acetate
Concen: 47.521 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	8.9	7.0	10.6

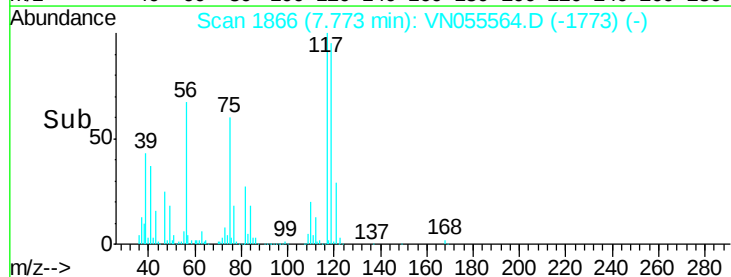
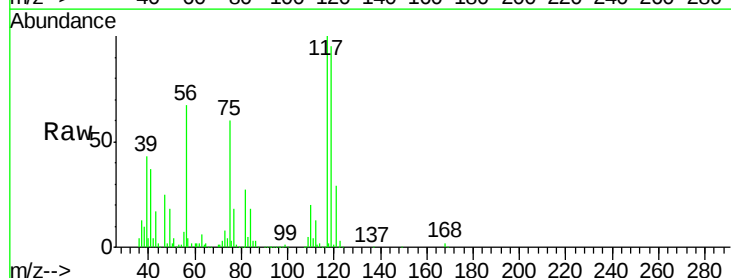
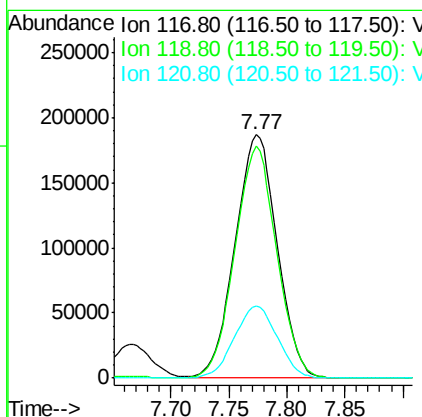
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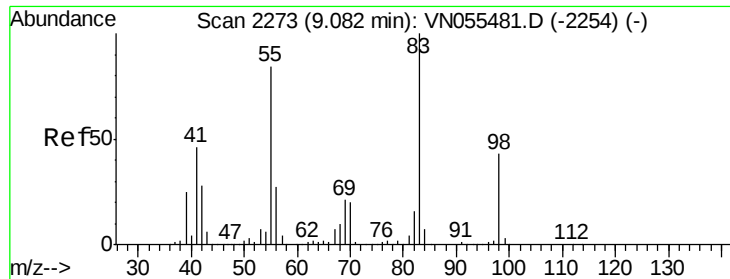
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#38
Carbon Tetrachloride
Concen: 47.987 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.8	116.6
121	29.5	25.2	37.8





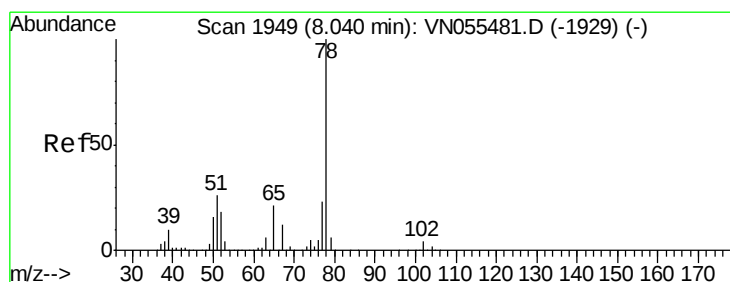
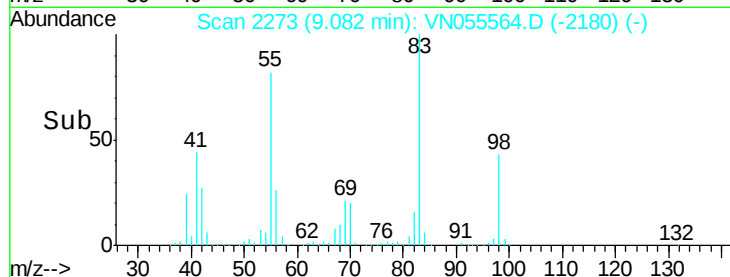
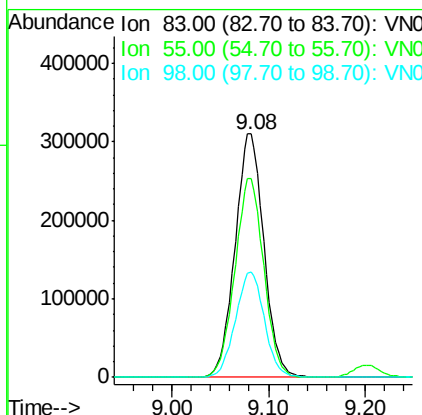
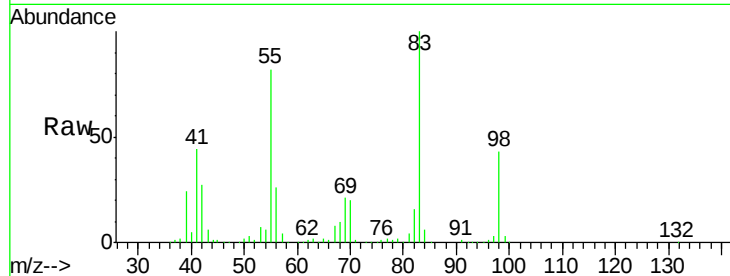
#39
Methvlcvclohexane
Concen: 45.099 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.8	67.0	100.4
98	43.3	34.2	51.4

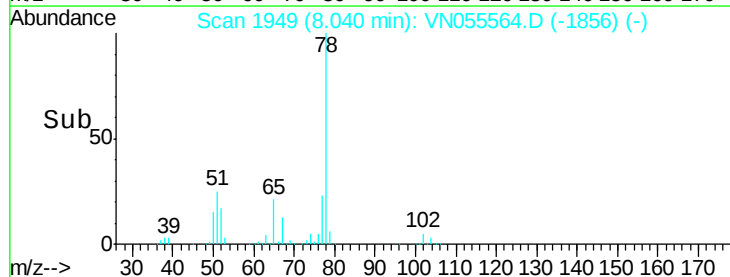
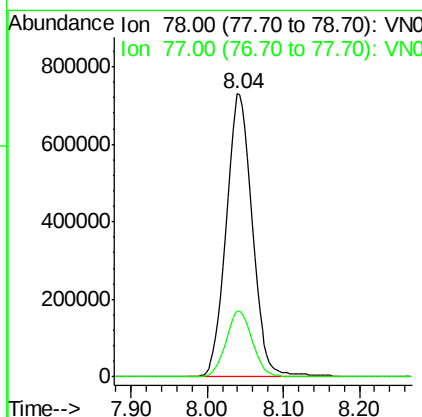
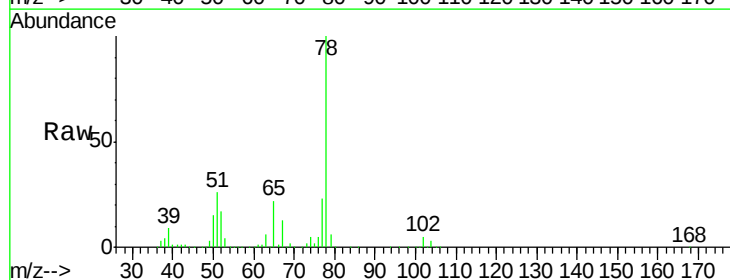
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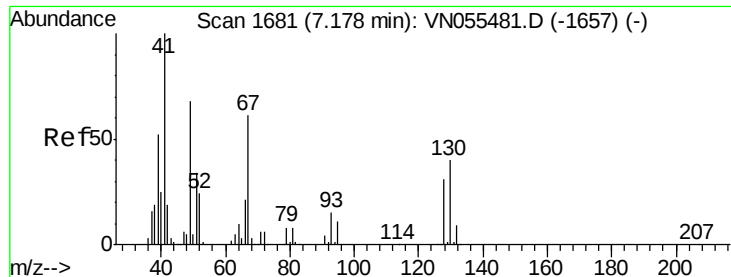
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#40
Benzene
Concen: 48.423 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.6	27.8





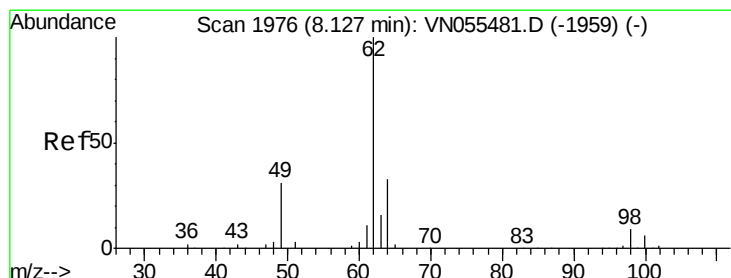
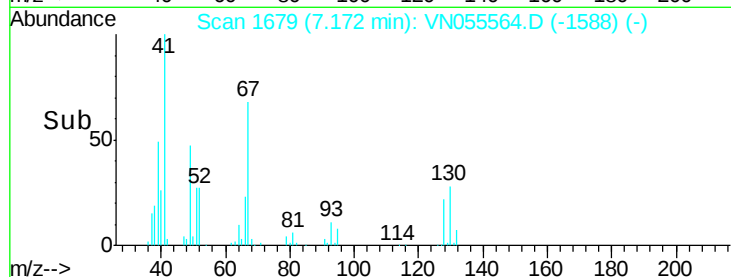
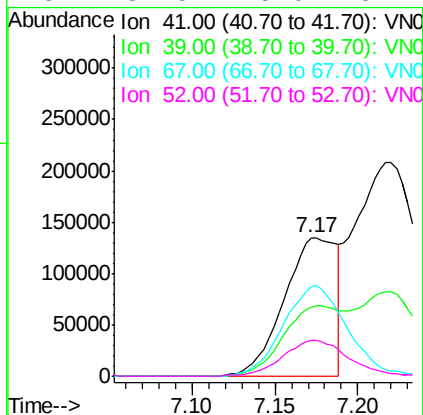
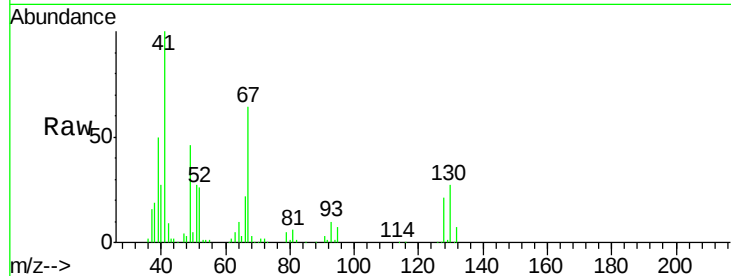
#41
Methacrylonitrile
Concen: 50.052 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		295313		
39	55.5	44.7	67.1		
67	81.2	61.4	92.0		
52	32.5	25.0	37.4		

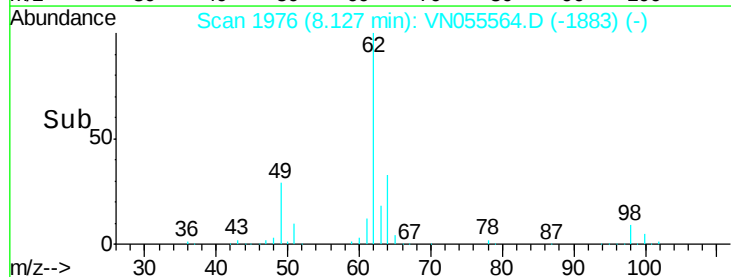
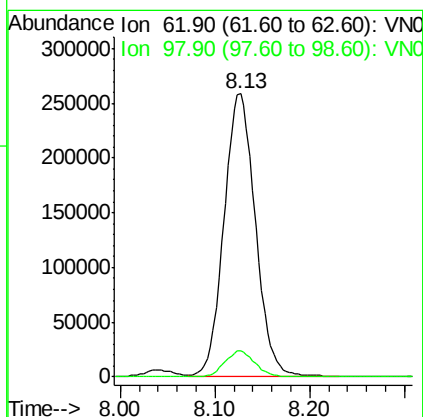
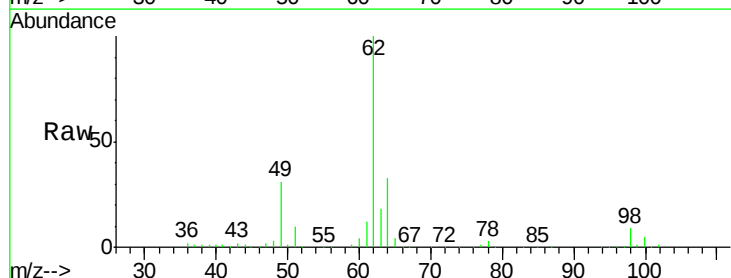
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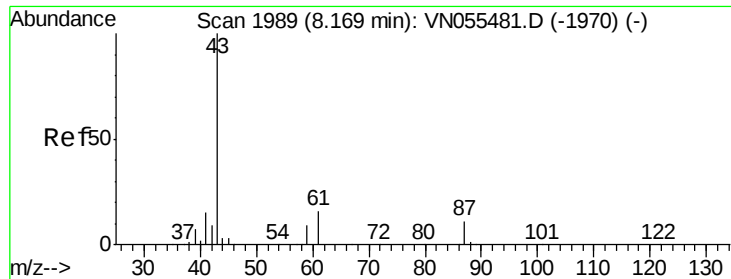
MMDadoda
5/11/2019 1:45:56 PM



#42
1,2-Dichloroethane
Concen: 46.823 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		594963		
98	8.8	0.0	17.4		





#43

Isopropyl Acetate

Concen: 48.514 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

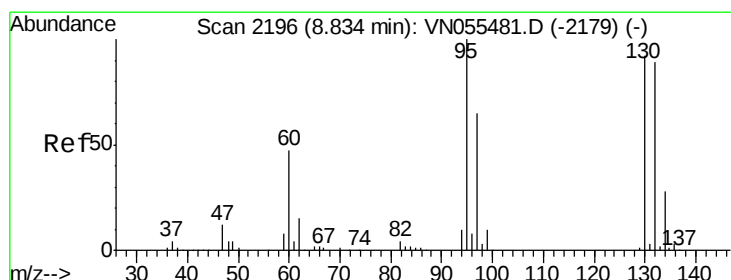
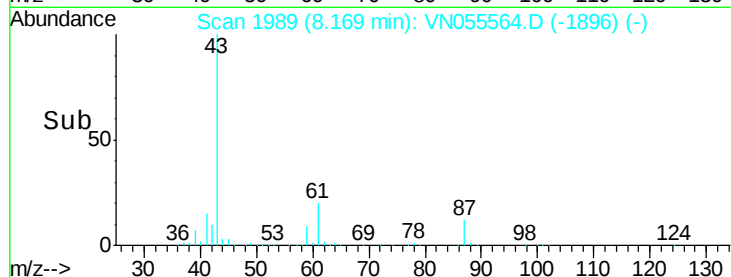
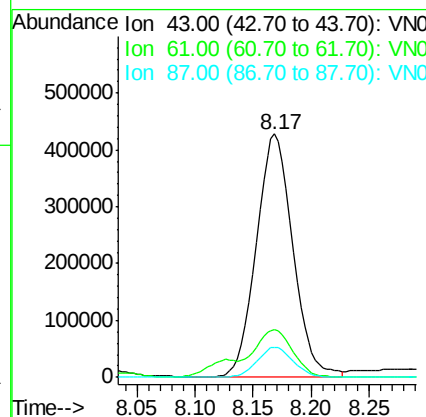
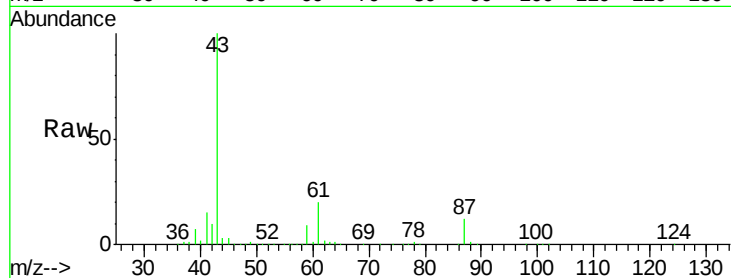
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	936931
Ion Ratio	Lower	Upper	
43	100		
61	20.0	15.1	22.7
87	12.1	9.0	13.6

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#44

Trichloroethene

Concen: 48.737 ug/l

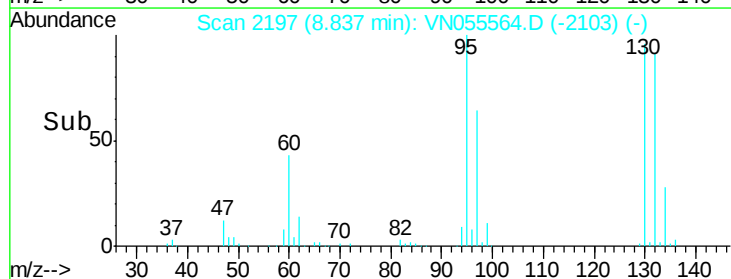
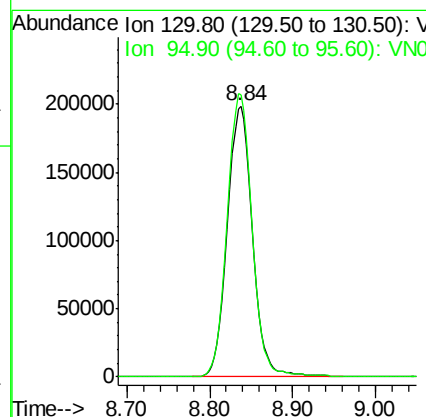
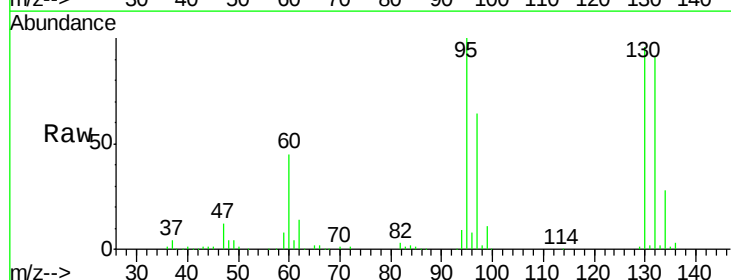
RT: 8.84 min Scan# 2197

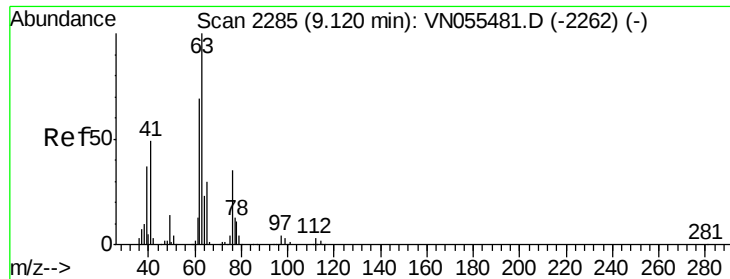
Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Tgt Ion:	130	Resp:	419420
Ion Ratio	Lower	Upper	
130	100		
95	104.4	0.0	216.8





#45

1,2-Dichloropropane

Concen: 48.126 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 498030

Ion Ratio Lower Upper

63 100

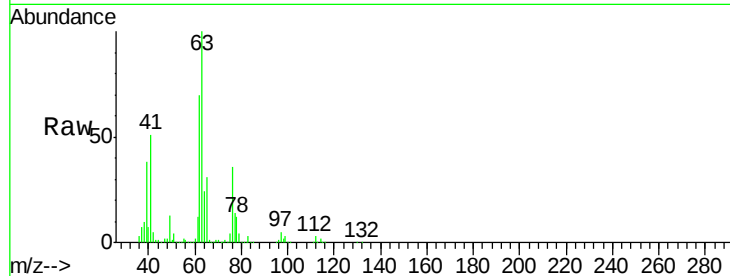
65 31.4 24.1 36.1

Manual Integrations

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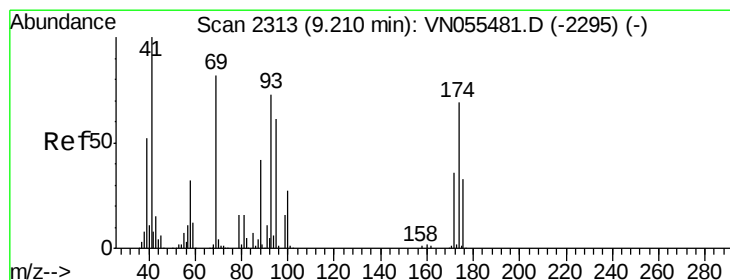
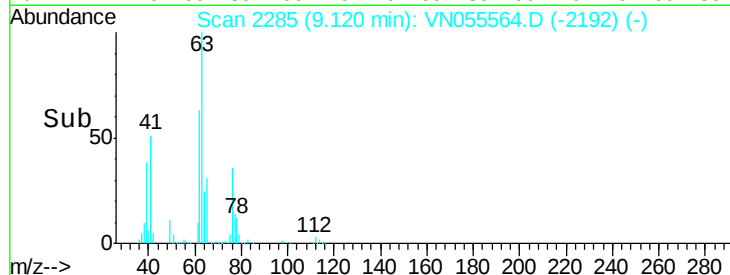
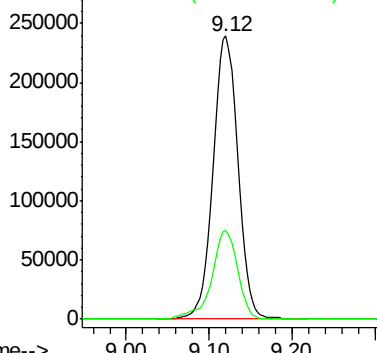
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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 48.649 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

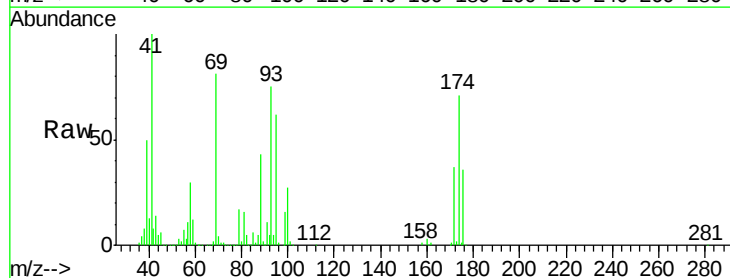
Tgt Ion: 93 Resp: 291814

Ion Ratio Lower Upper

93 100

95 82.4 64.8 97.2

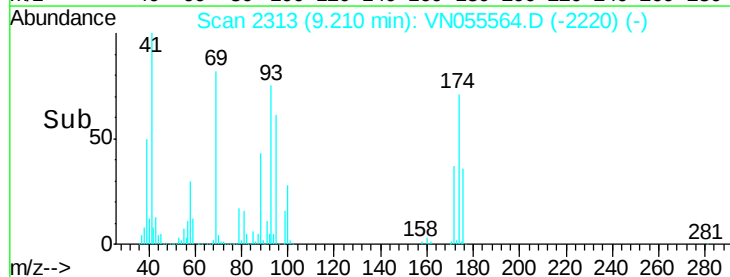
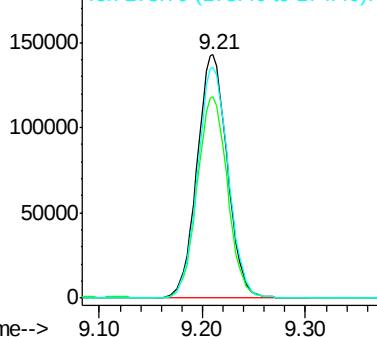
174 96.0 75.0 112.6

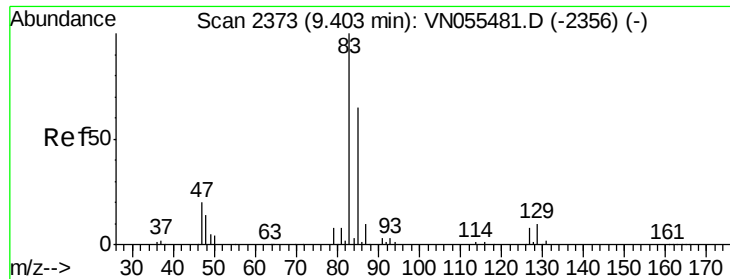


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 49.352 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

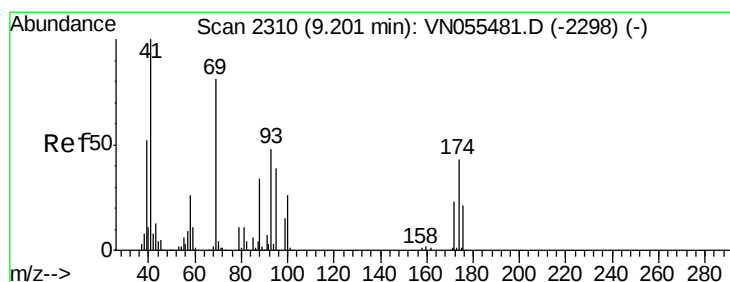
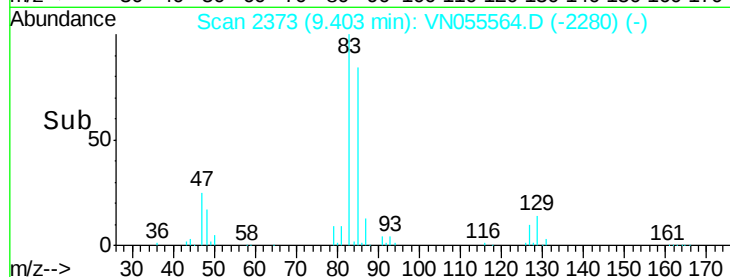
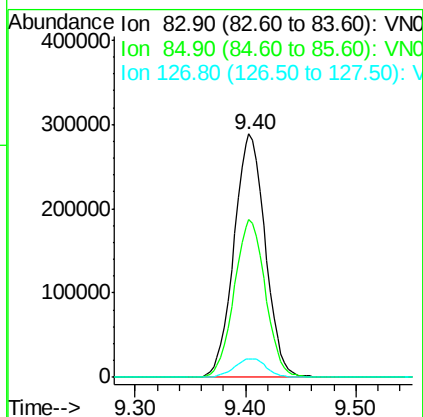
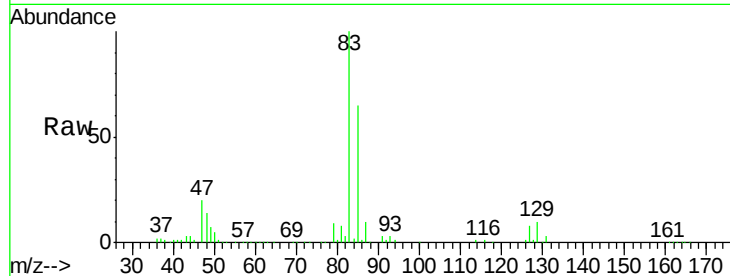
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	566331
Ion Ratio	Lower	Upper	
83	100		
85	64.6	52.2	78.2
127	7.8	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.515 ug/l

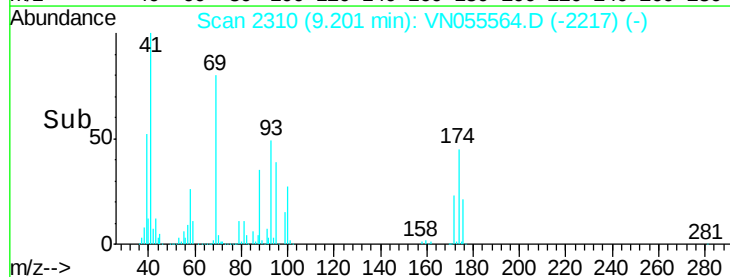
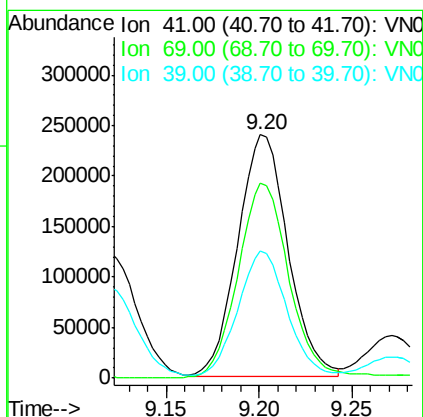
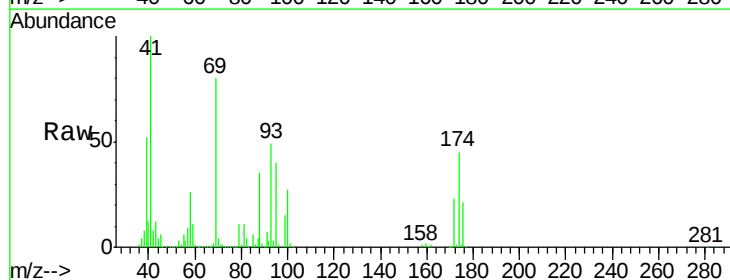
RT: 9.20 min Scan# 2310

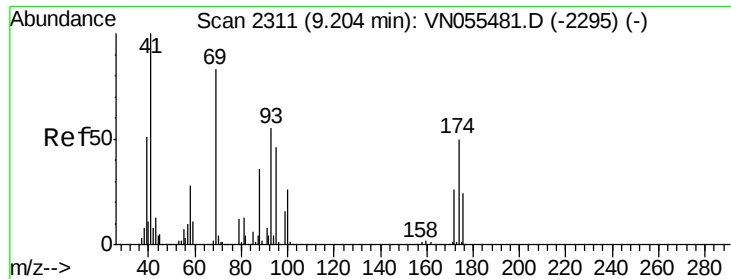
Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Tgt Ion:	41	Resp:	451435
Ion Ratio	Lower	Upper	
41	100		
69	84.0	64.2	96.2
39	51.6	41.6	62.4





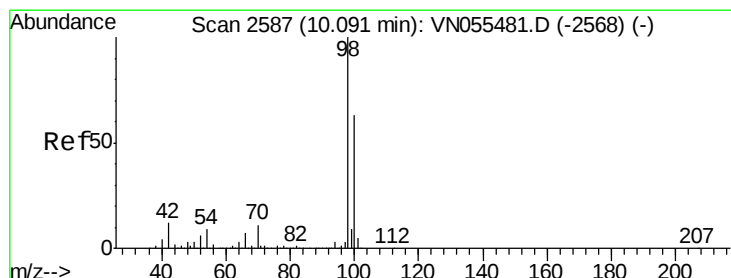
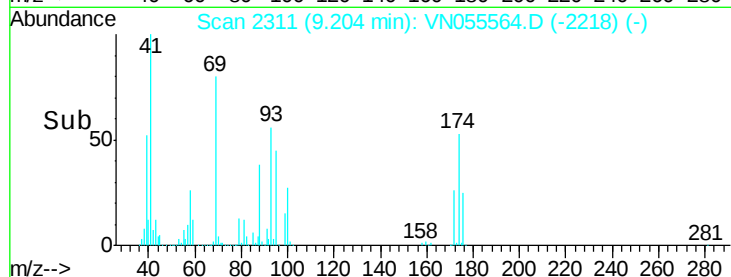
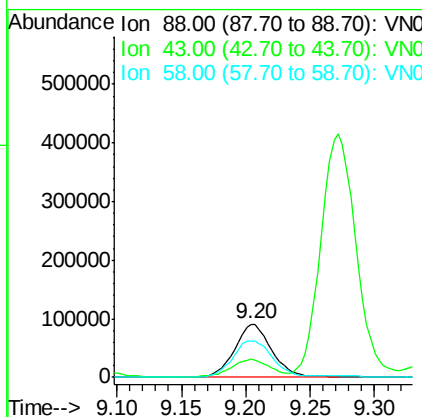
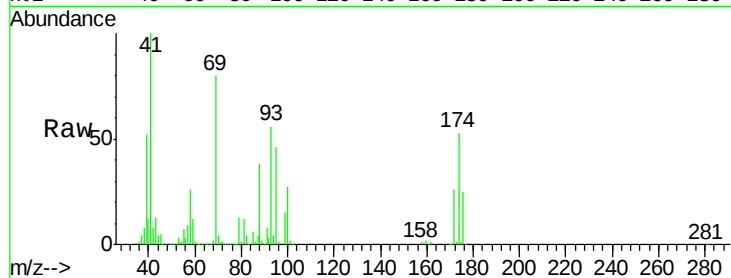
#49
1,4-Dioxane
Concen: 1002.712 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	27.8	41.8
58	73.9	61.8	92.6

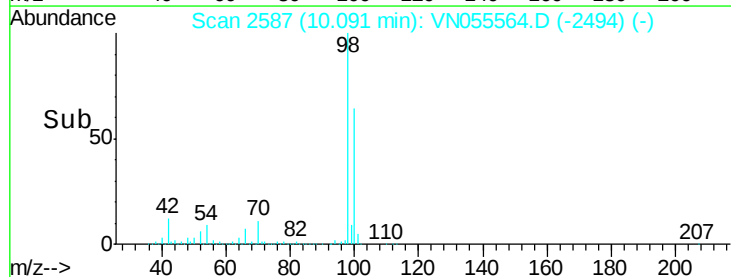
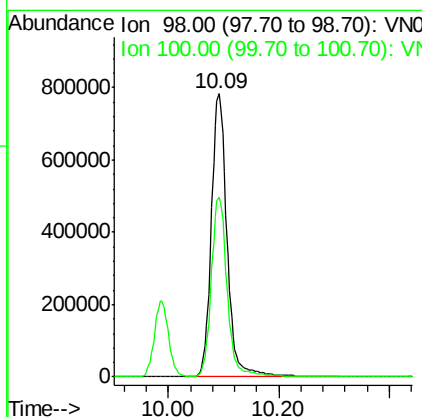
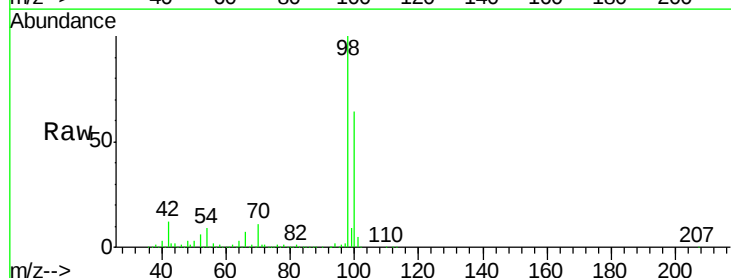
Manual Integrations
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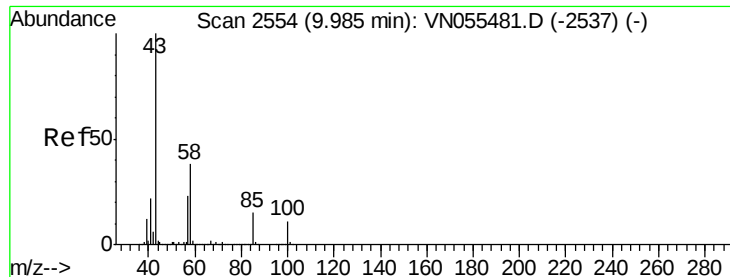
MMDadoda
5/11/2019 1:45:56 PM



#50
Toluene-d8
Concen: 52.274 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 239.119 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3037200

Ion Ratio Lower Upper

43 100

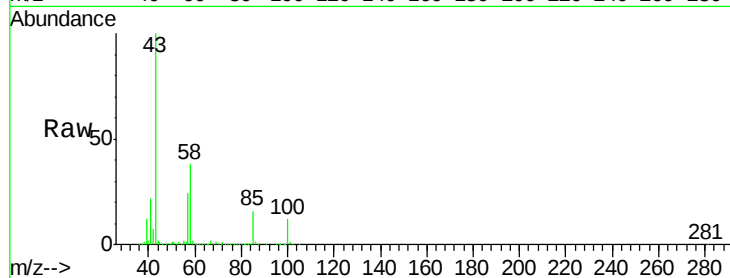
58 38.0 29.9 44.9

Manual Integrations

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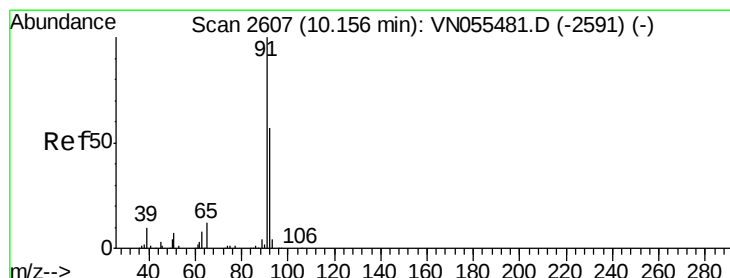
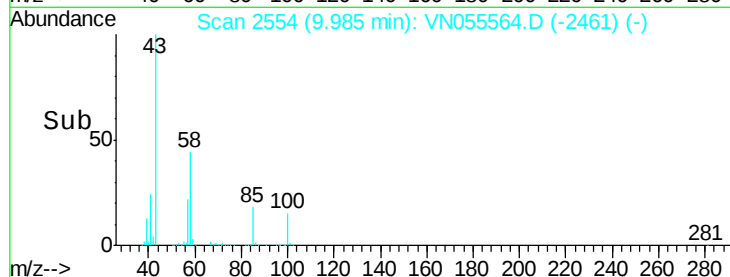
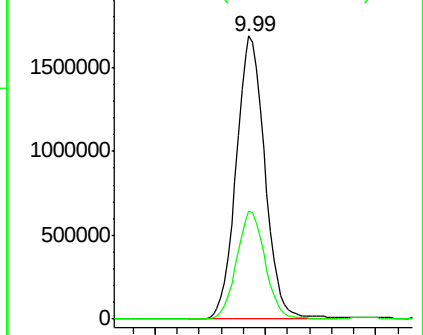
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.555 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055564.D

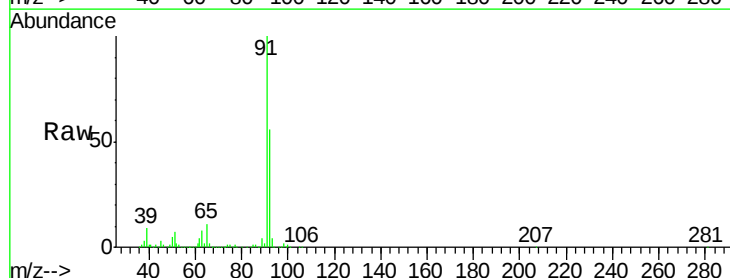
Acq: 10 May 2019 20:19

Tgt Ion: 92 Resp: 1024638

Ion Ratio Lower Upper

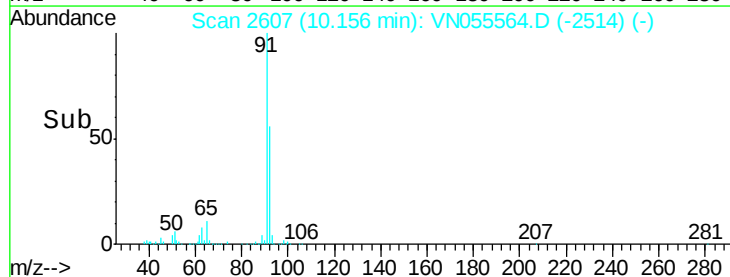
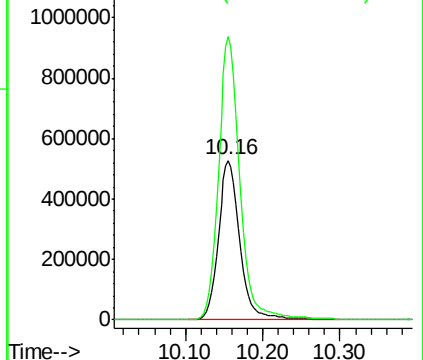
92 100

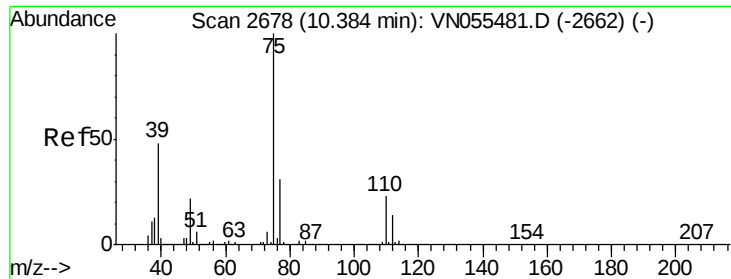
91 177.6 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





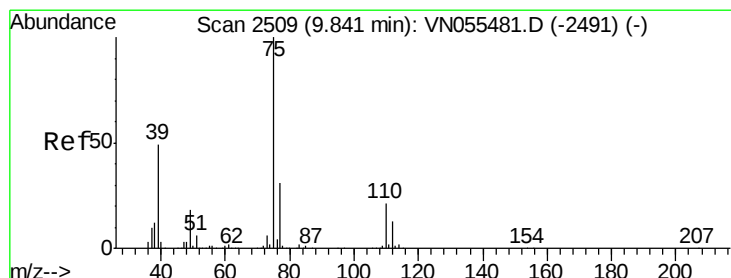
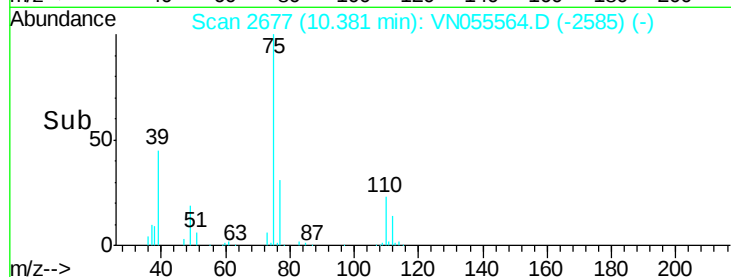
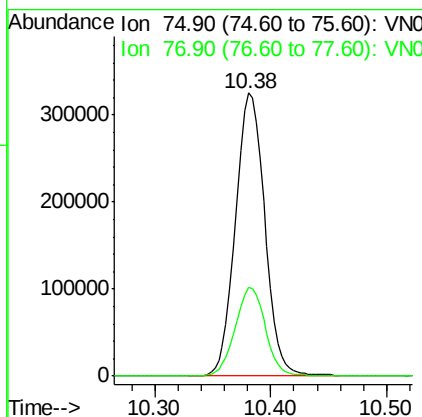
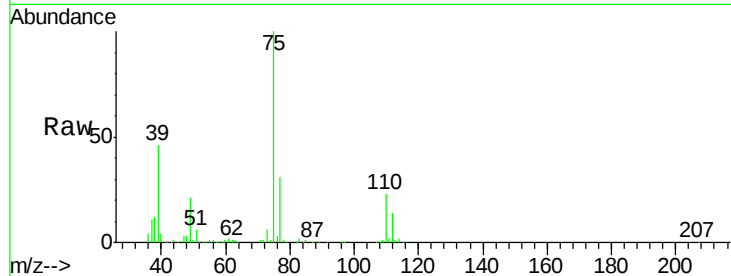
#53
 t-1,3-Dichloropropene
 Concen: 51.758 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 570433
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.1 37.7

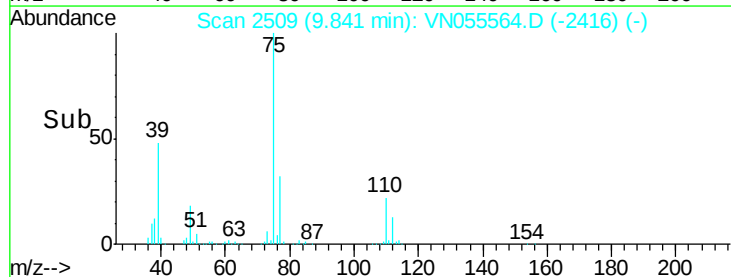
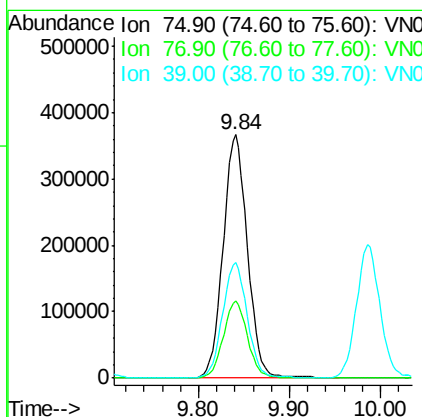
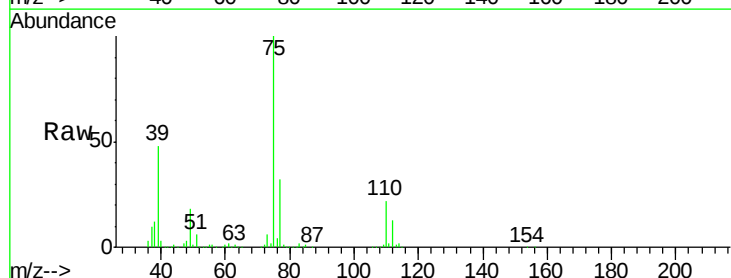
Manual Integrations
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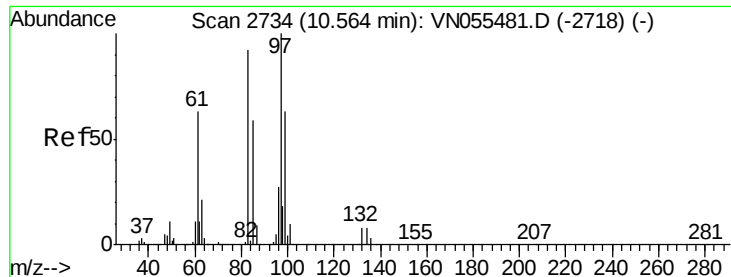
MMDadoda
 5/11/2019 1:45:56 PM



#54
 cis-1,3-Dichloropropene
 Concen: 51.625 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Tgt Ion: 75 Resp: 679886
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.4 36.6
 39 47.7 39.5 59.3





#55

1,1,2-Trichloroethane

Concen: 49.969 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

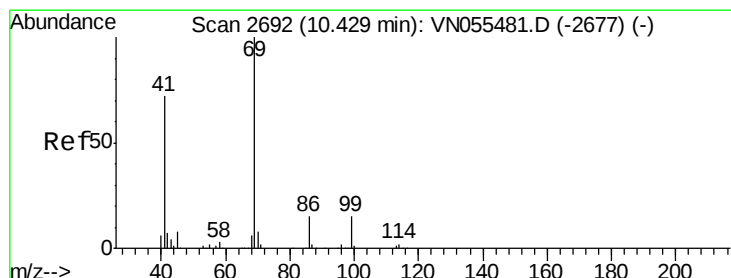
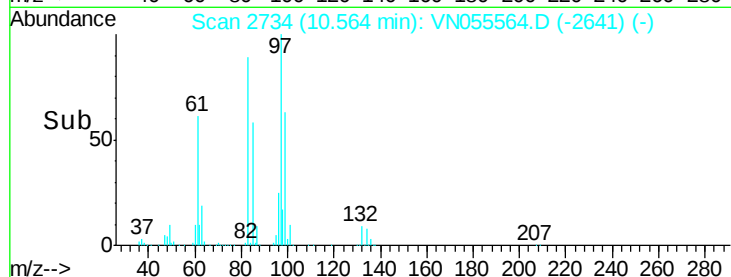
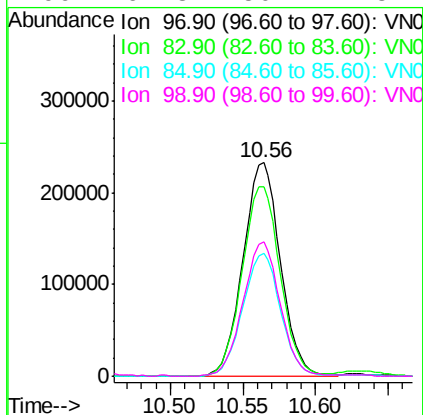
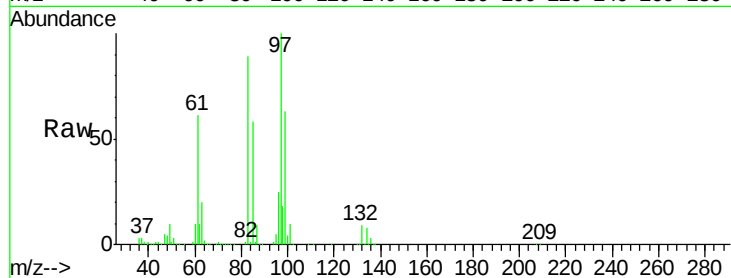
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	418623
Ion	Ratio	Lower	Upper
97	100		
83	88.8	73.2	109.8
85	57.6	47.5	71.3
99	62.8	50.2	75.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 49.255 ug/l

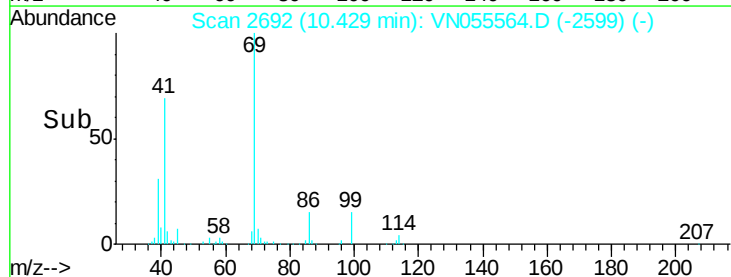
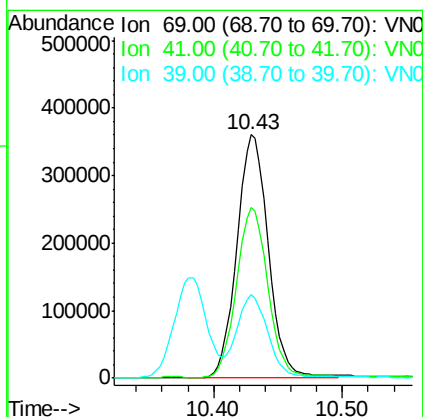
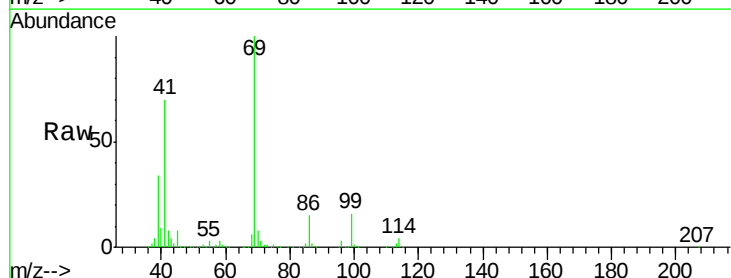
RT: 10.43 min Scan# 2692

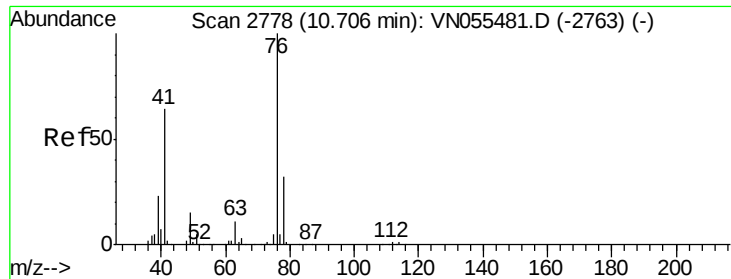
Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Tgt Ion:	69	Resp:	613775
Ion	Ratio	Lower	Upper
69	100		
41	69.9	56.2	84.2
39	33.4	27.8	41.6





#57

1,3-Dichloropropane

Concen: 49.439 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 735314

Ion Ratio Lower Upper

76 100

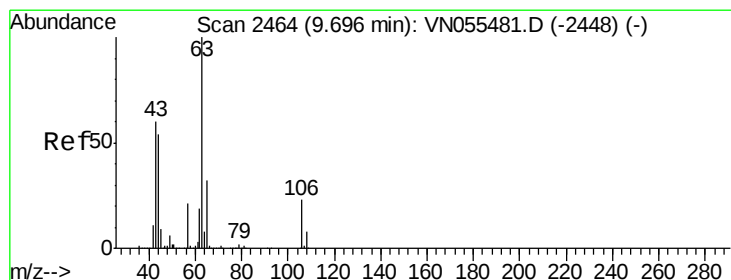
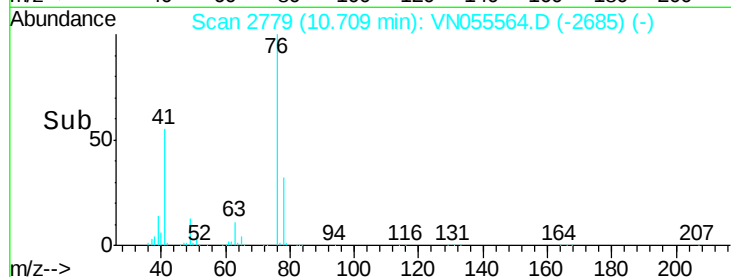
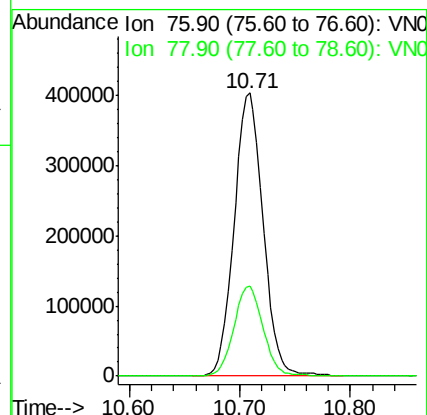
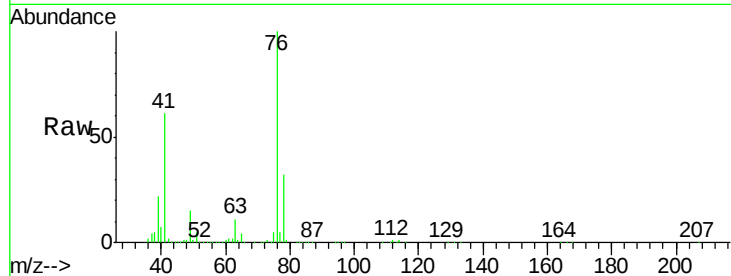
78 32.1 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 213.614 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055564.D

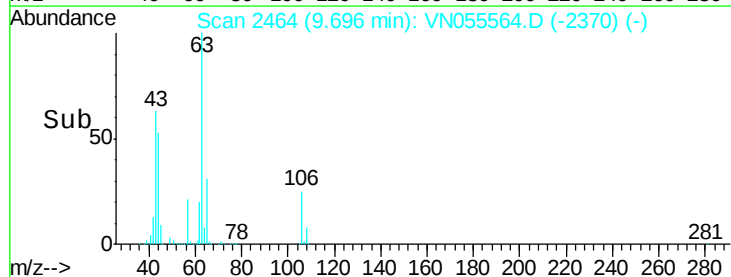
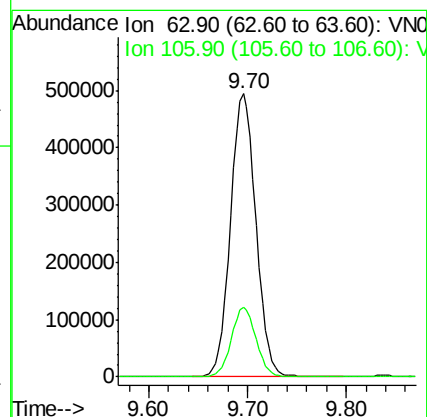
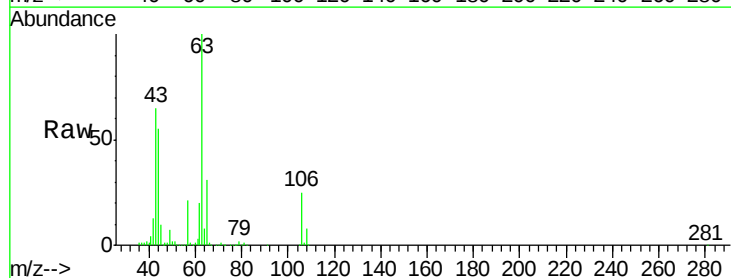
Acq: 10 May 2019 20:19

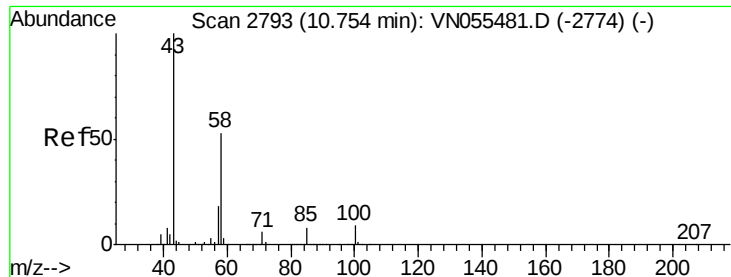
Tgt Ion: 63 Resp: 888030

Ion Ratio Lower Upper

63 100

106 23.8 18.6 27.8





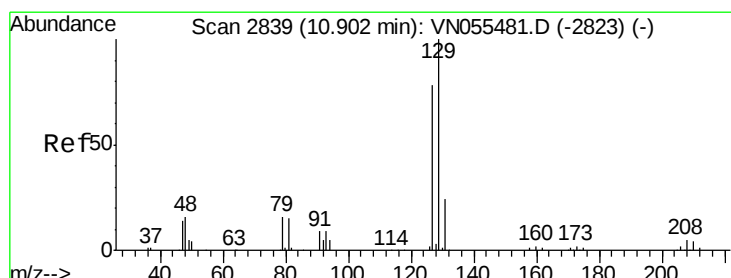
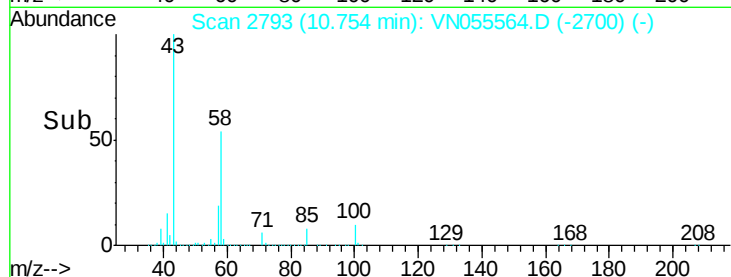
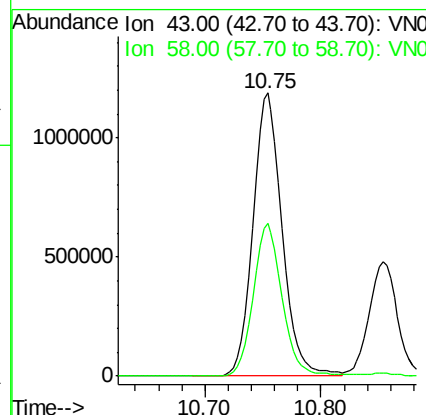
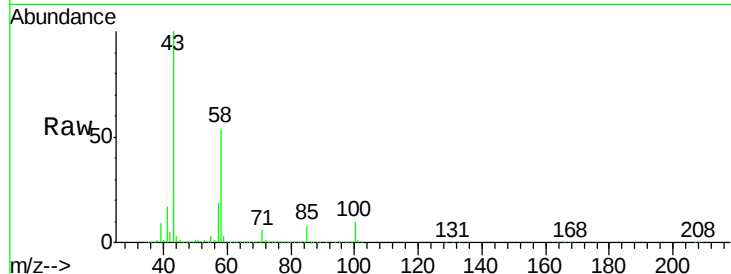
#59
2-Hexanone
Concen: 233.515 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2080074
Ion Ratio Lower Upper
43 100
58 53.5 26.4 79.0

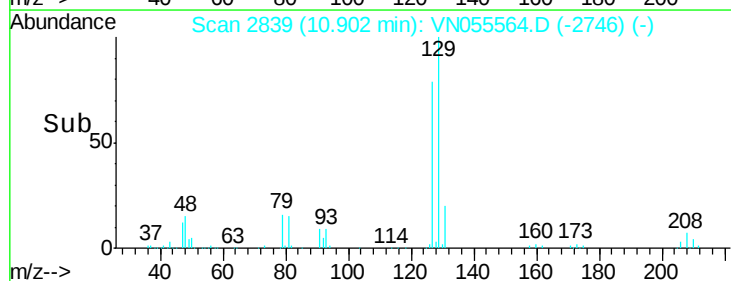
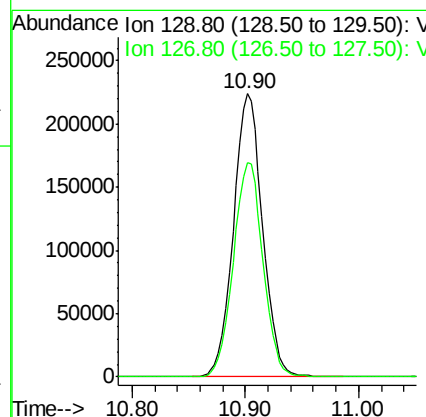
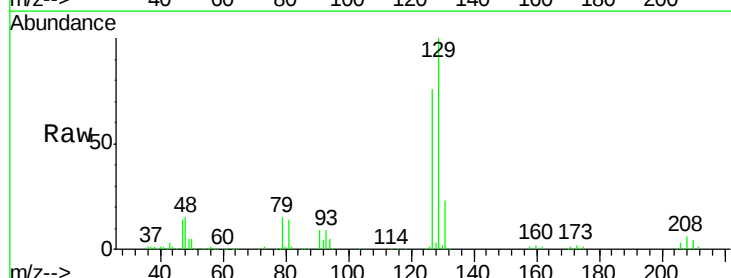
Manual Integrations
APPROVED

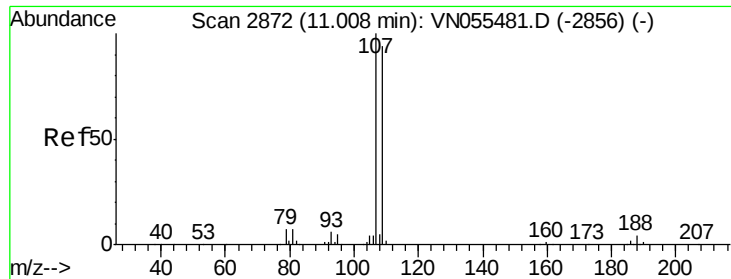
MMDadoda
5/11/2019 1:45:56 PM



#60
Dibromochloromethane
Concen: 52.579 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion: 129 Resp: 400488
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0





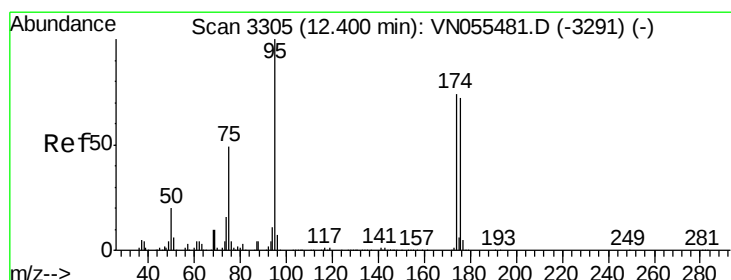
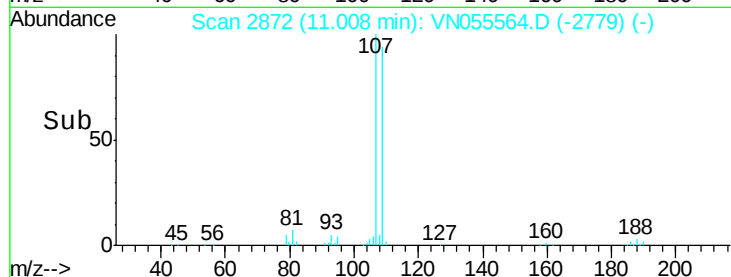
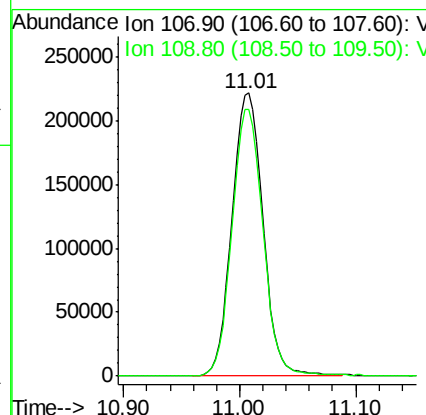
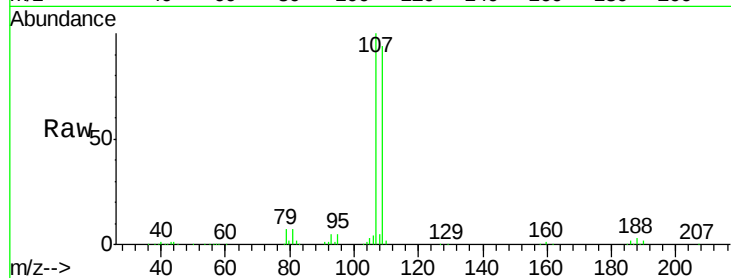
#61
 1,2-Dibromoethane
 Concen: 50.821 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 409072
 Ion Ratio Lower Upper
 107 100
 109 94.3 74.2 111.4

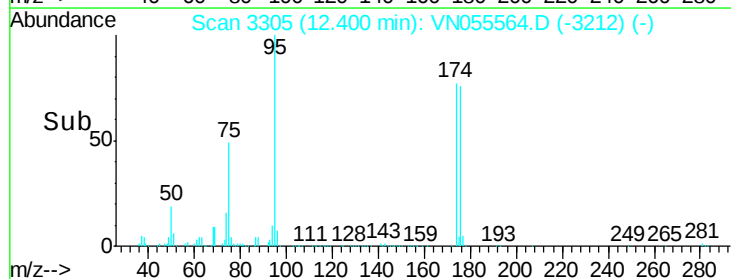
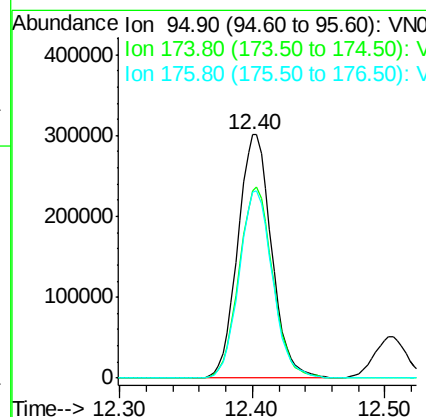
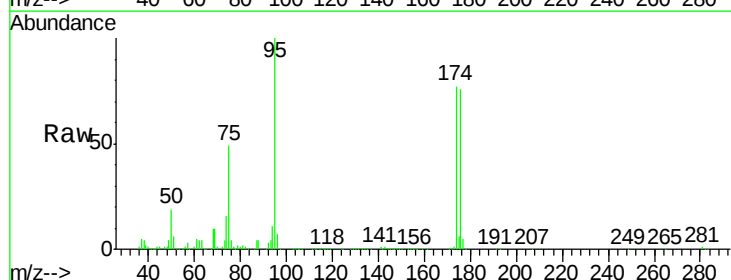
Manual Integrations
 APPROVED

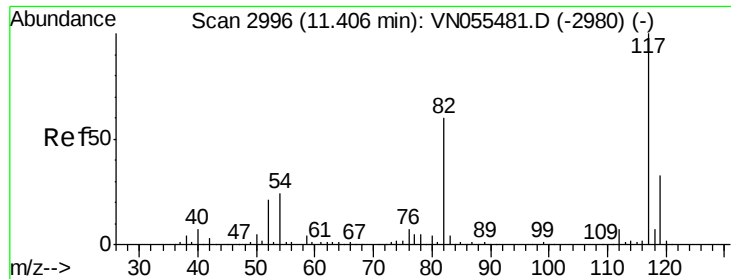
MMDadoda
 5/11/2019 1:45:56 PM



#62
 4-Bromofluorobenzene
 Concen: 53.196 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Tgt Ion: 95 Resp: 533365
 Ion Ratio Lower Upper
 95 100
 174 78.2 0.0 152.2
 176 76.3 0.0 147.8





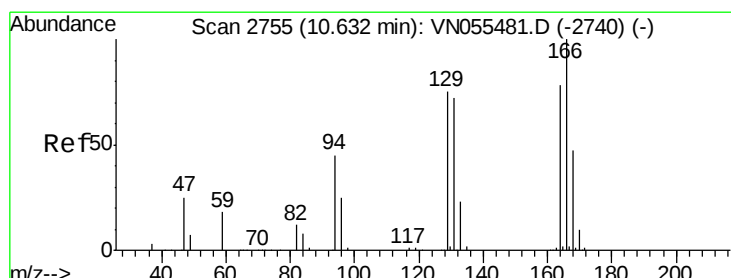
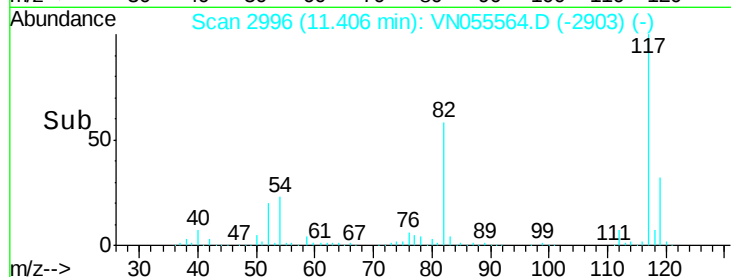
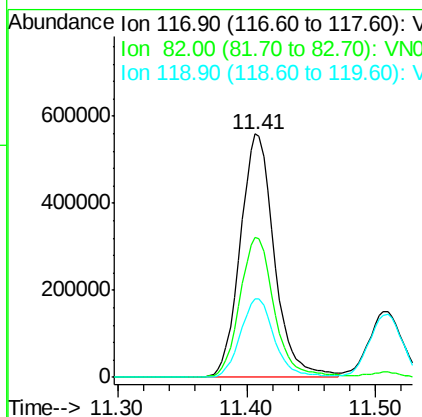
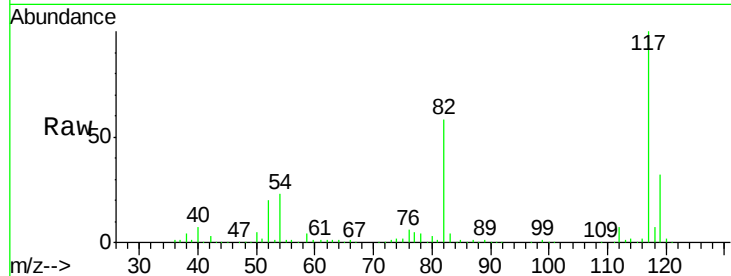
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1031707
Ion Ratio Lower Upper
117 100
82 57.6 48.0 72.0
119 32.4 26.0 39.0

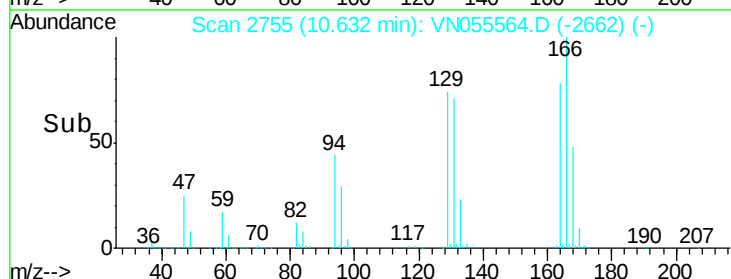
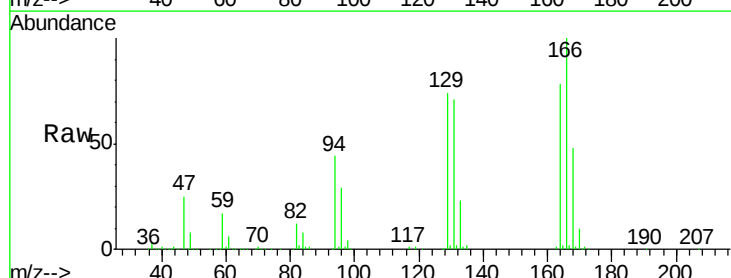
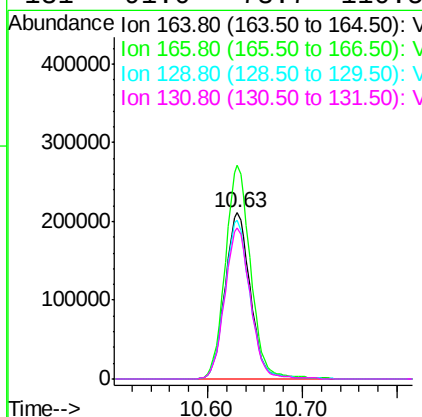
Manual Integrations
APPROVED

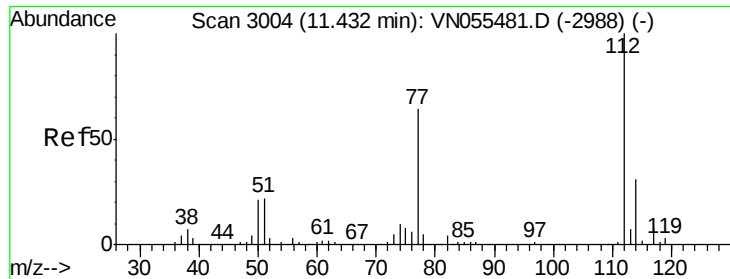
MMDadoda
5/11/2019 1:45:56 PM



#64
Tetrachloroethene
Concen: 46.521 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion:164 Resp: 393283
Ion Ratio Lower Upper
164 100
166 128.7 102.6 153.8
129 95.4 77.0 115.6
131 91.0 73.7 110.5





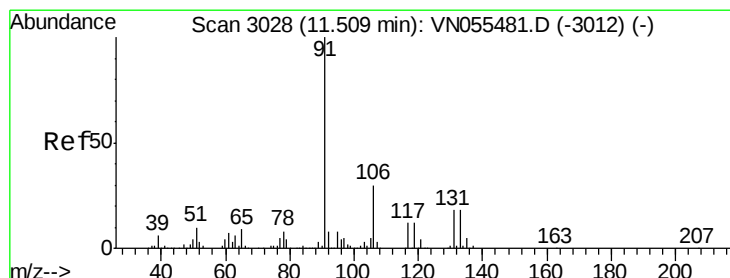
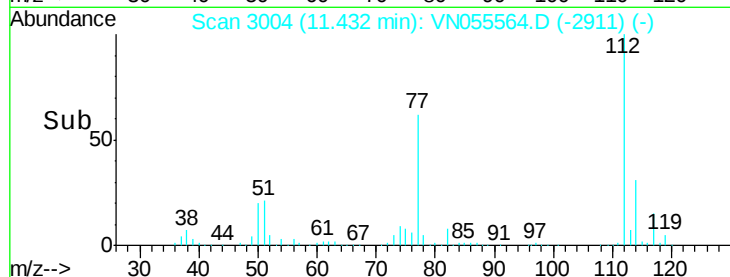
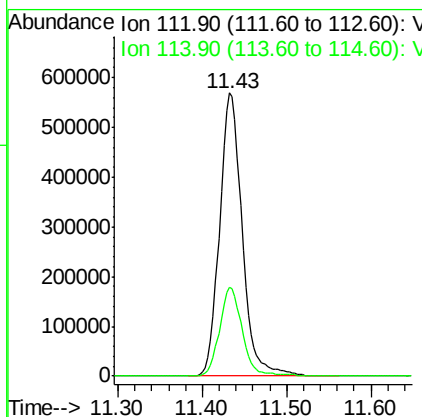
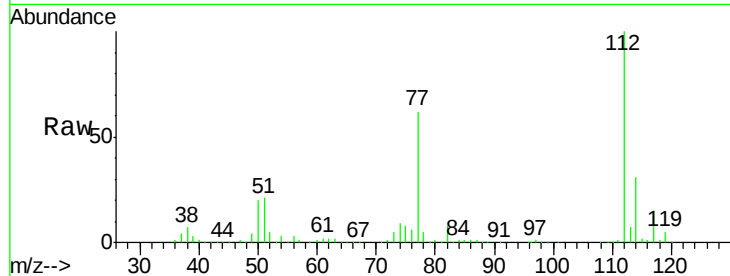
#65
Chlorobenzene
Concen: 49.937 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1059958
Ion Ratio Lower Upper
112 100
114 31.4 25.0 37.4

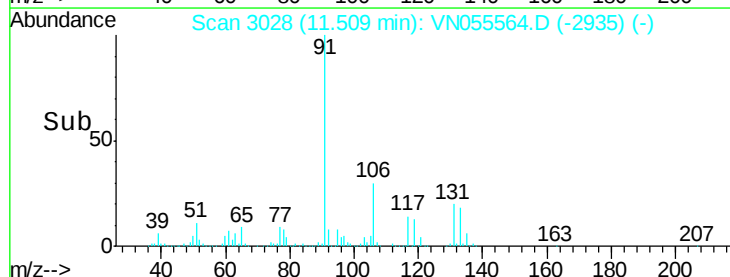
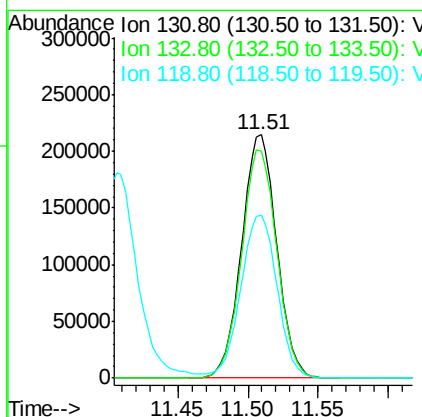
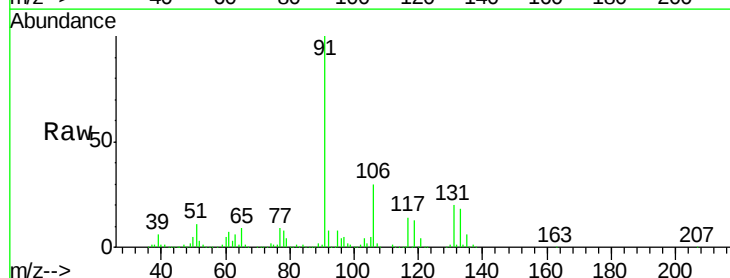
Manual Integrations
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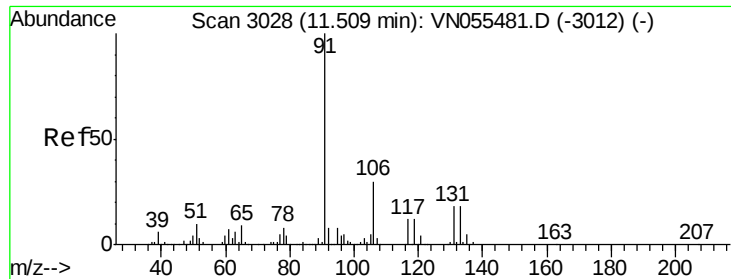
MMDadoda
5/11/2019 1:45:56 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.180 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion:131 Resp: 373989
Ion Ratio Lower Upper
131 100
133 94.3 47.4 142.2
119 69.7 34.1 102.2





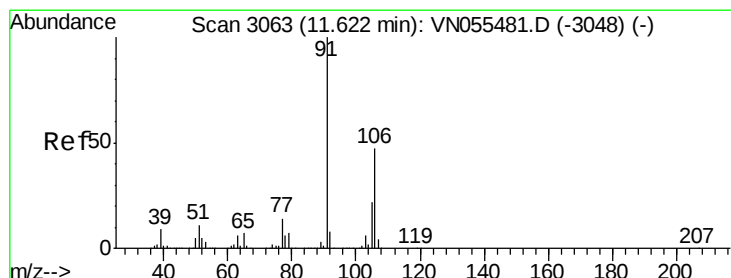
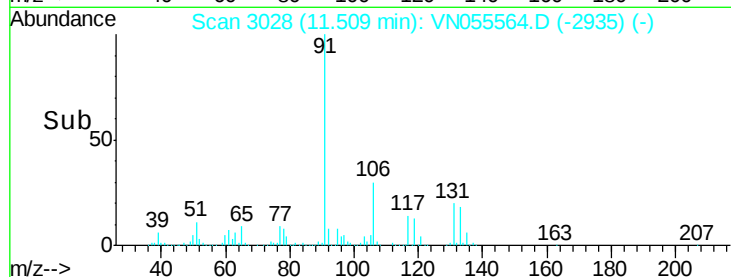
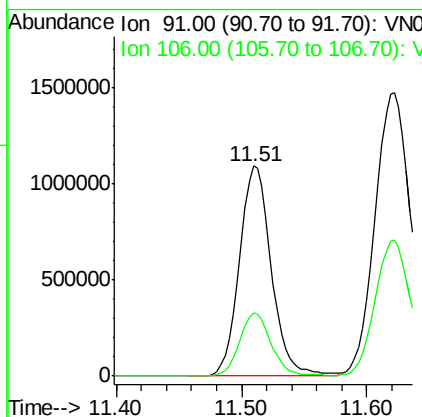
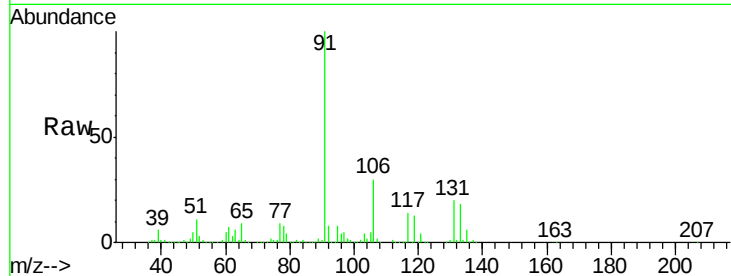
#67
Ethyl Benzene
Concen: 48.620 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1938246
Ion Ratio Lower Upper
91 100
106 30.0 23.8 35.6

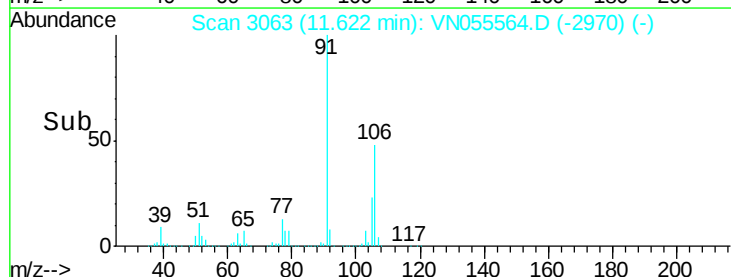
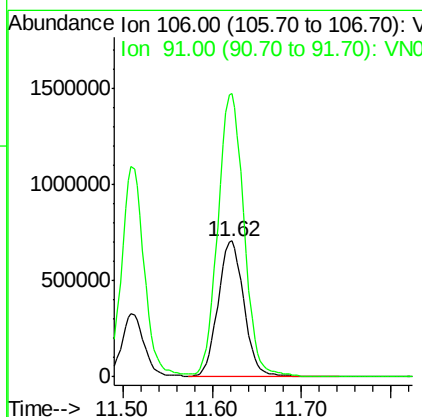
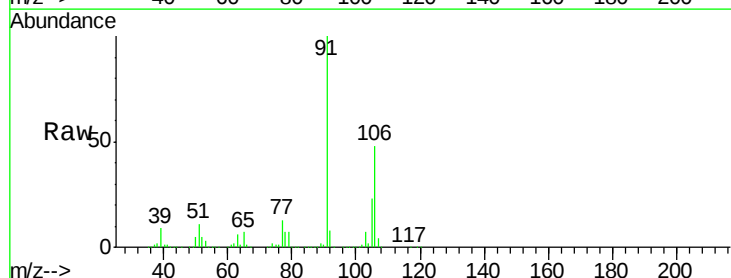
Manual Integrations
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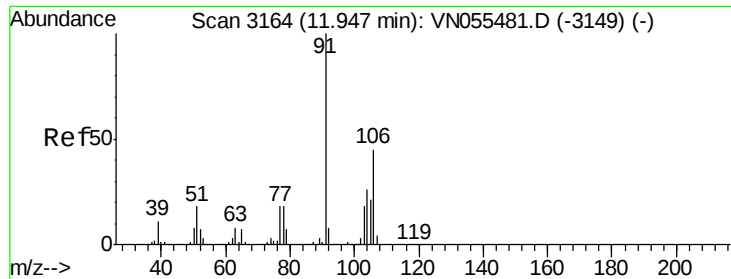
MMDadoda
5/11/2019 1:45:56 PM



#68
m/p-Xylenes
Concen: 99.905 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion: 106 Resp: 1429296
Ion Ratio Lower Upper
106 100
91 209.1 169.2 253.8





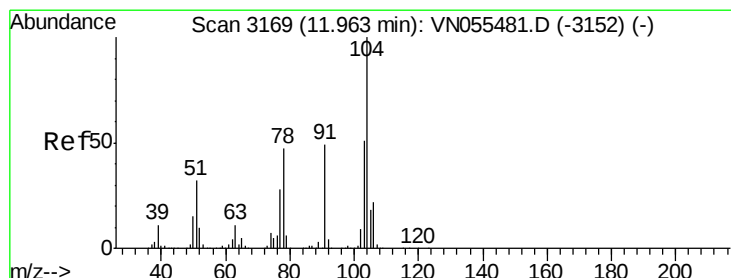
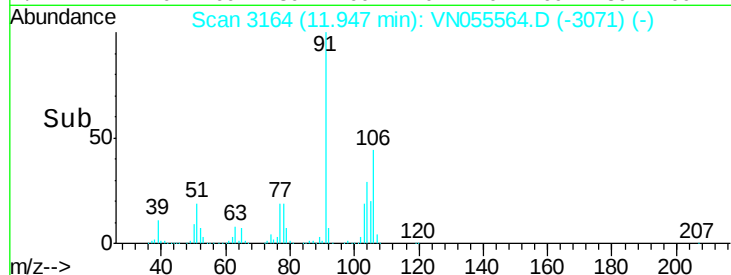
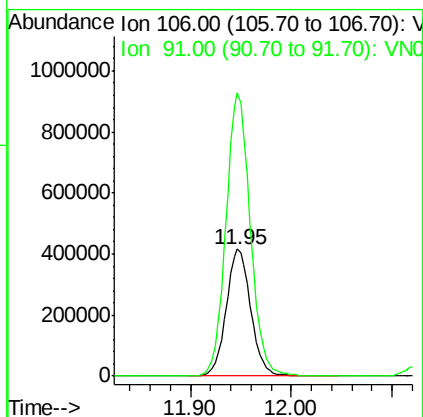
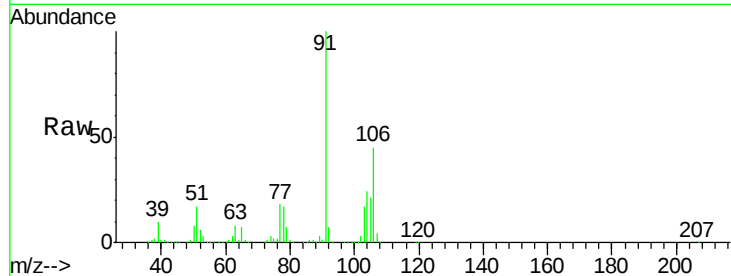
#69
o-Xylene
Concen: 50.192 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 705783
Ion Ratio Lower Upper
106 100
91 221.7 111.3 333.8

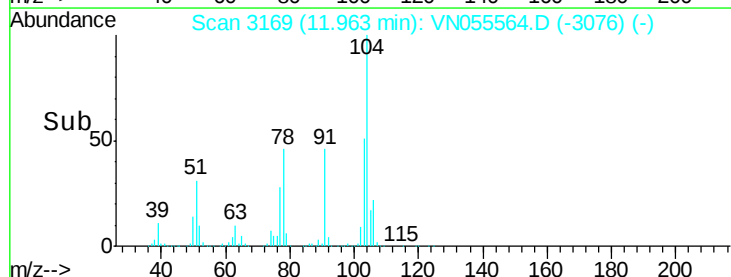
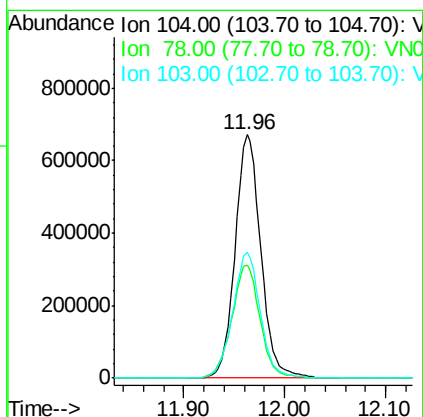
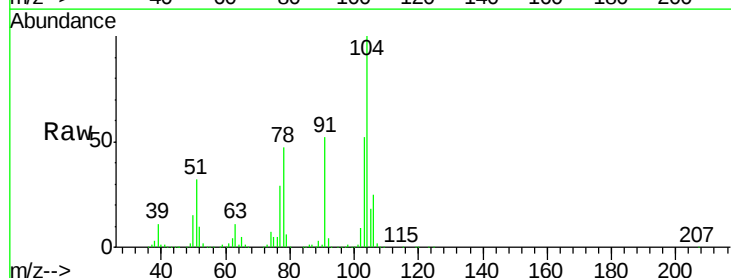
Manual Integrations
APPROVED

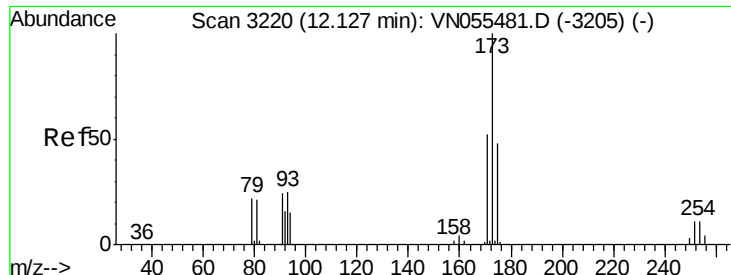
MMDadoda
5/11/2019 1:45:56 PM



#70
Styrene
Concen: 52.695 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion:104 Resp: 1187132
Ion Ratio Lower Upper
104 100
78 51.1 41.6 62.4
103 55.5 44.4 66.6





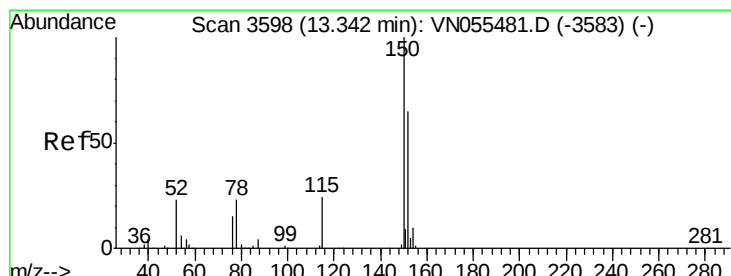
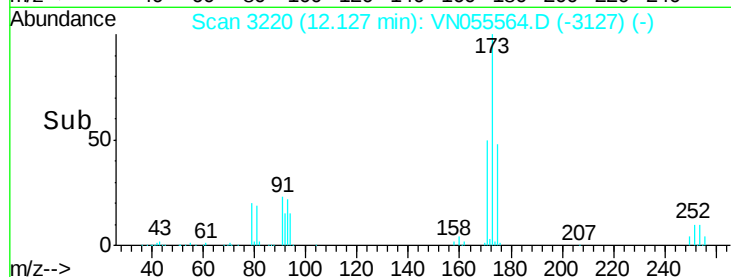
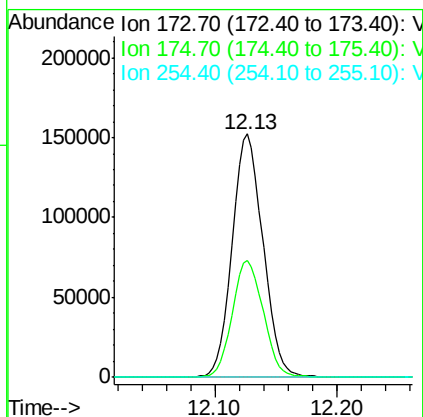
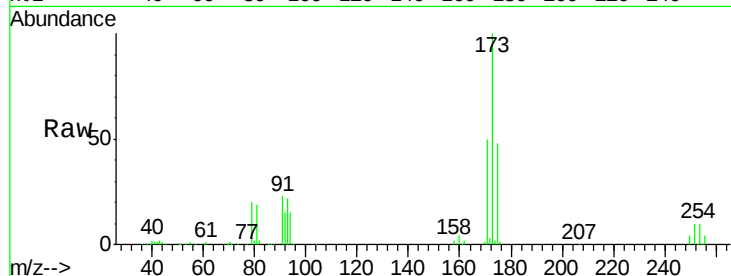
#71
Bromoform
Concen: 54.255 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.4
254	0.1	0.1	0.1

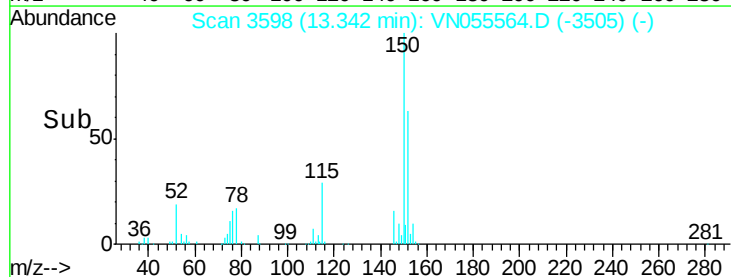
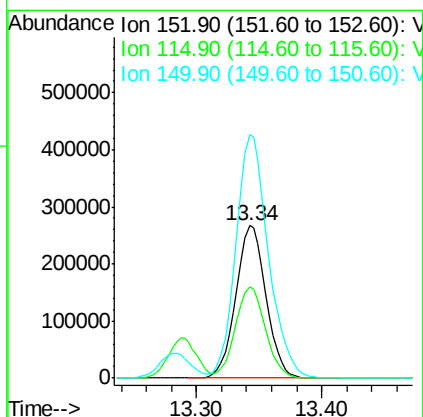
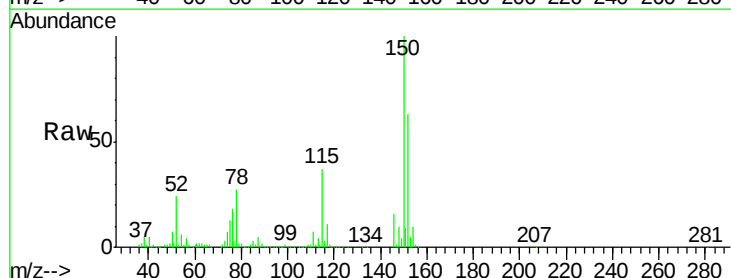
Manual Integrations
APPROVED

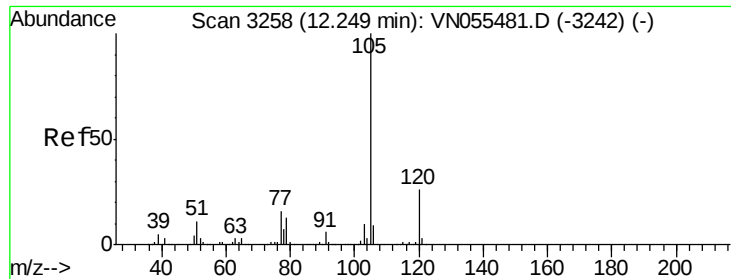
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.1	90.5
150	172.3	0.0	355.0





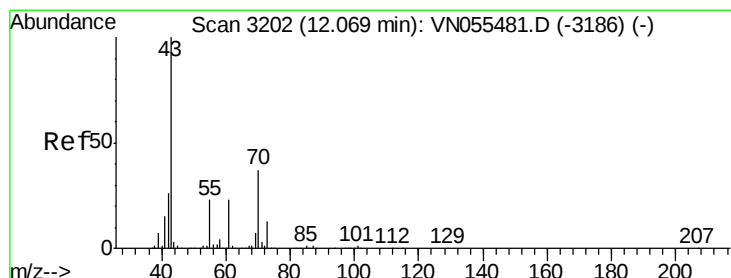
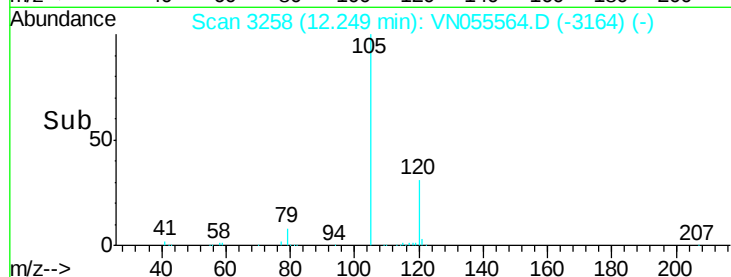
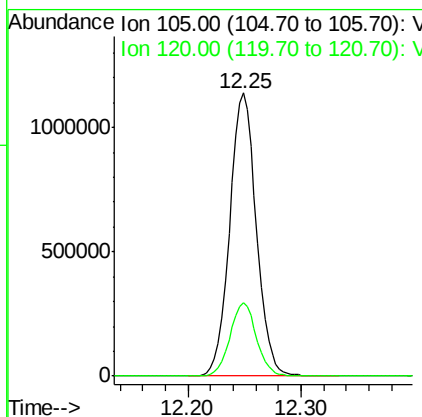
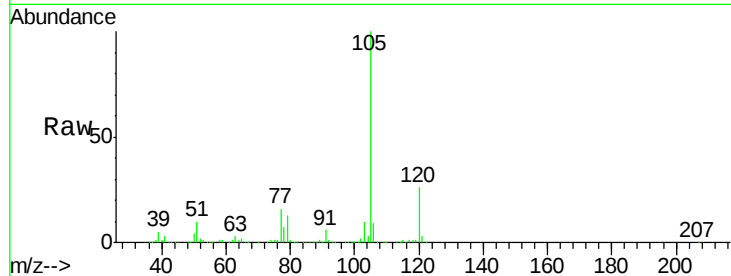
#73
Isopropylbenzene
Concen: 50.913 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1862017
Ion Ratio Lower Upper
105 100
120 25.8 13.0 39.0

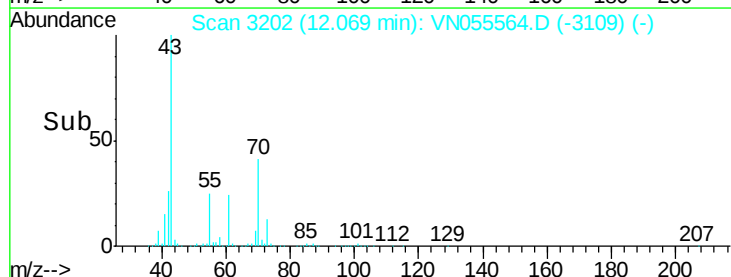
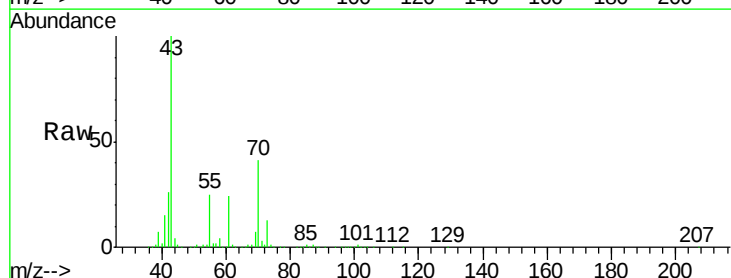
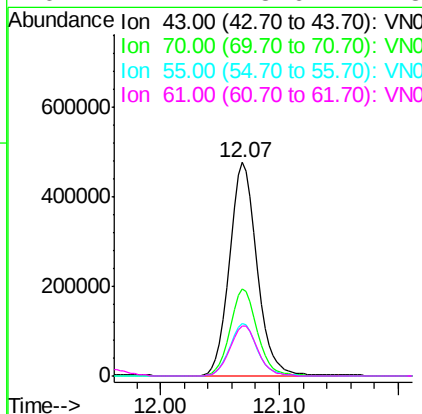
Manual Integrations
APPROVED

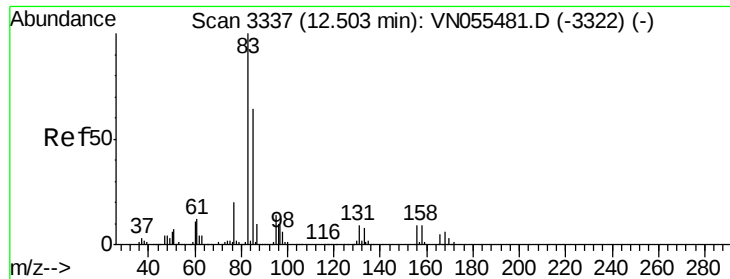
MMDadoda
5/11/2019 1:45:56 PM



#74
N-ethyl acetate
Concen: 45.265 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion: 43 Resp: 762907
Ion Ratio Lower Upper
43 100
70 40.7 30.7 46.1
55 24.9 19.3 28.9
61 24.1 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.754 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

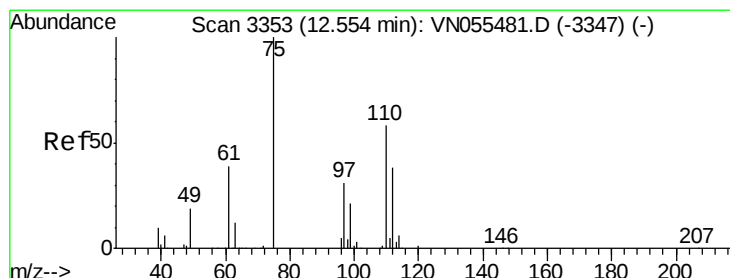
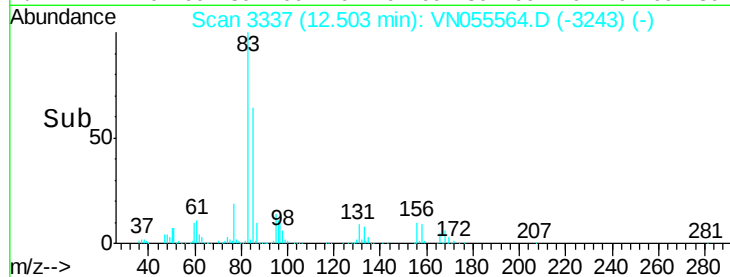
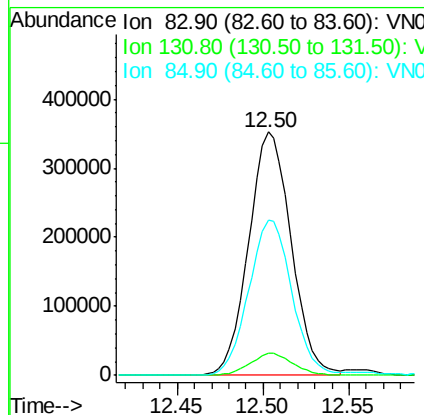
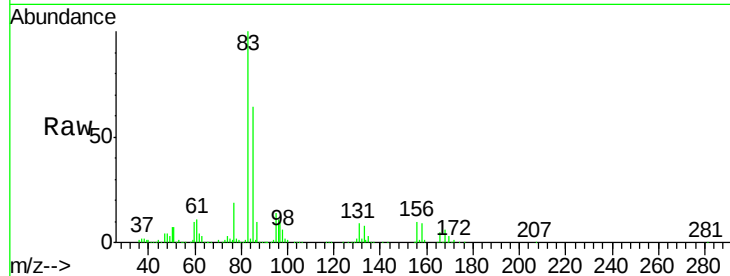
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	603622
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.5	13.5
85	64.7	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.607 ug/l m

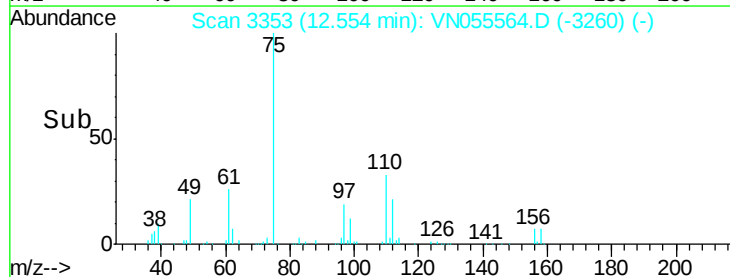
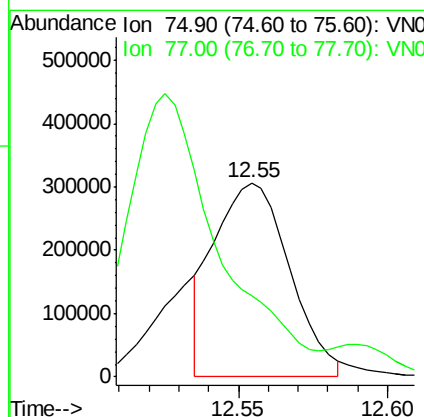
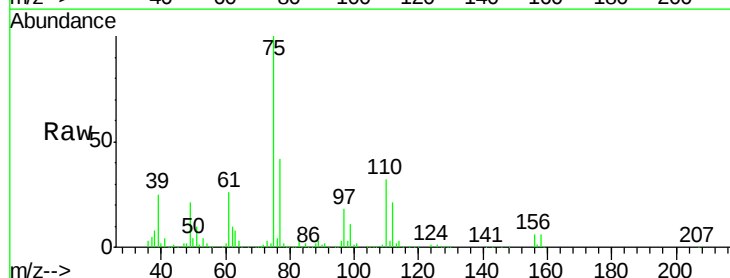
RT: 12.55 min Scan# 3353

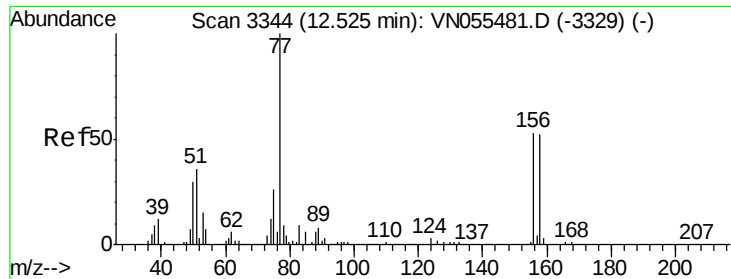
Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Tgt Ion:	75	Resp:	539094
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 44.900 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

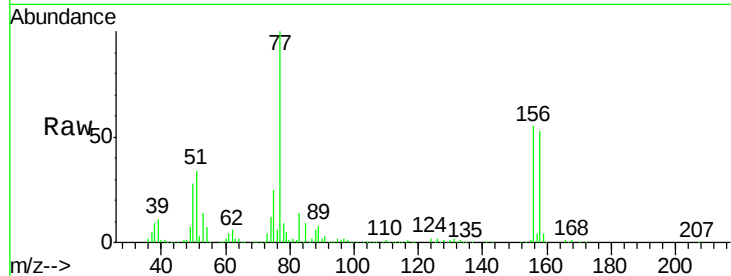
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	219.4	115.4	346.2	
158	96.7	48.7	146.1	

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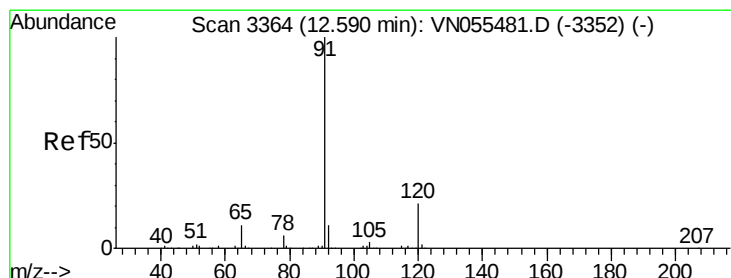
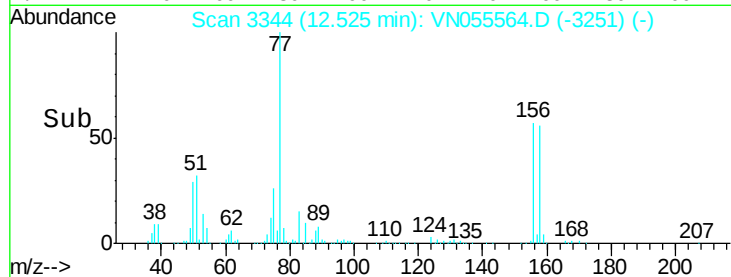
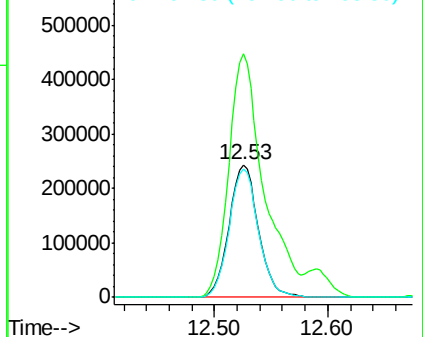
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 44.365 ug/l

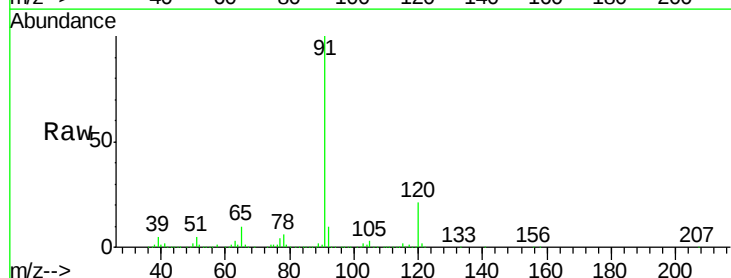
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055564.D

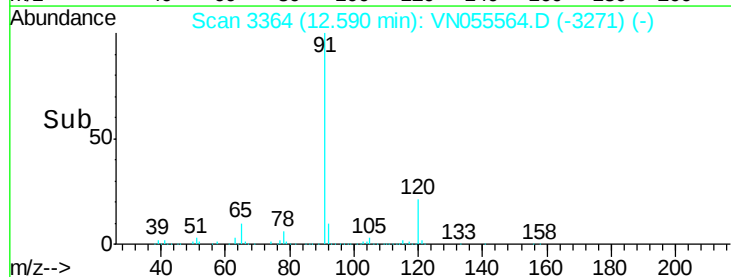
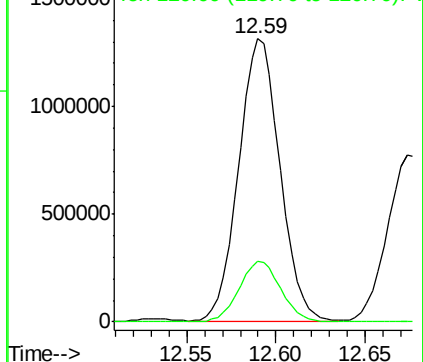
Acq: 10 May 2019 20:19

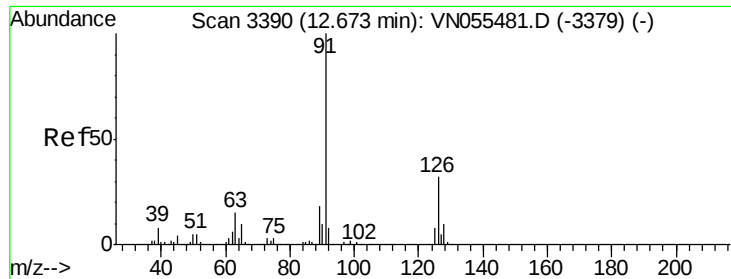
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.8	10.8	32.3	



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 43.728 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 1297559

Ion Ratio Lower Upper

91 100

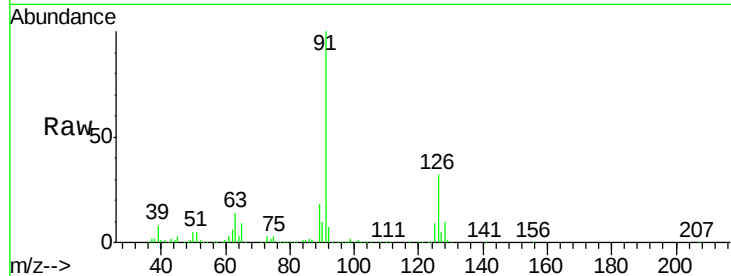
126 32.6 16.0 47.9

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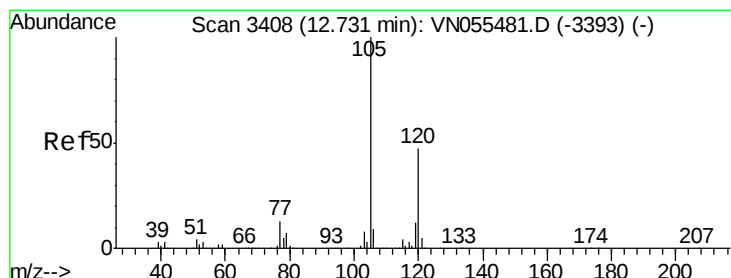
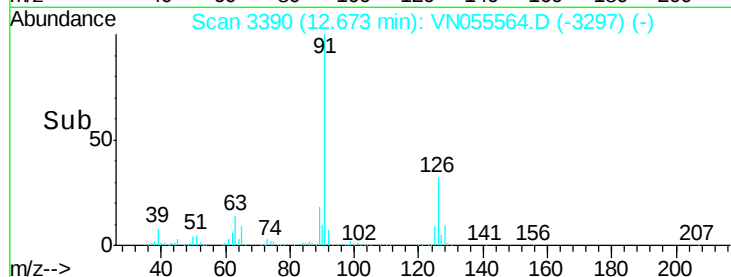
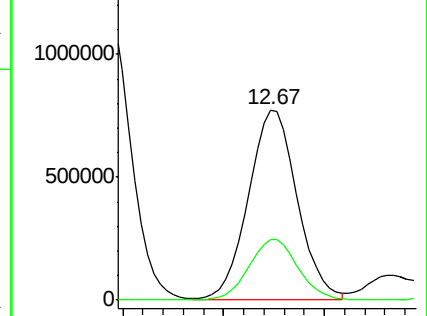
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Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3379) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 44.730 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055564.D

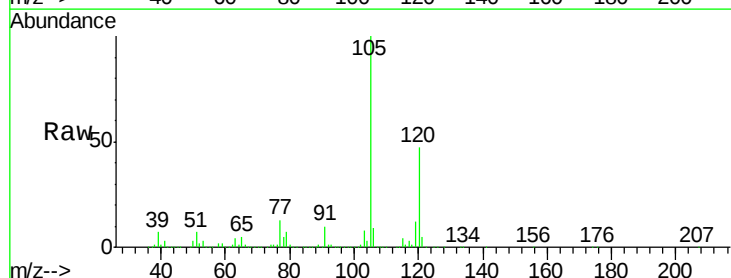
Acq: 10 May 2019 20:19

Tgt Ion:105 Resp: 1588071

Ion Ratio Lower Upper

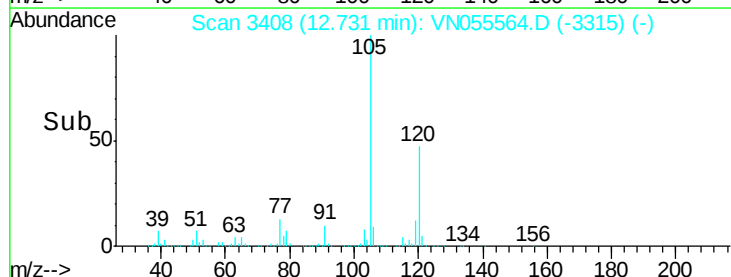
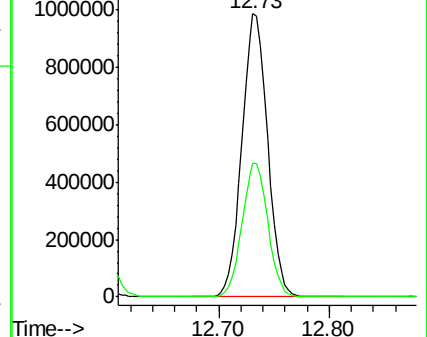
105 100

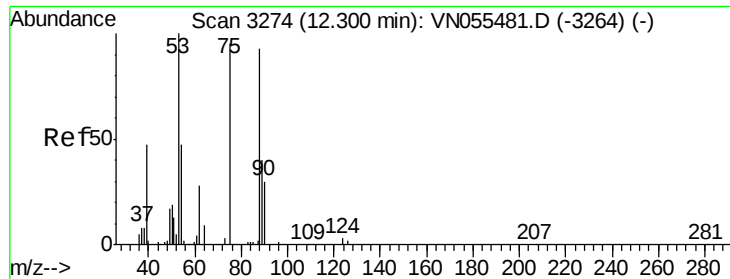
120 47.5 23.4 70.0



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

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





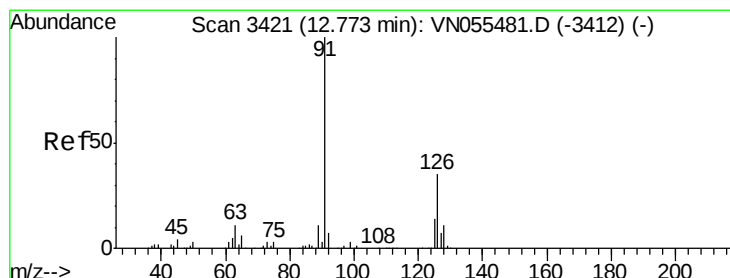
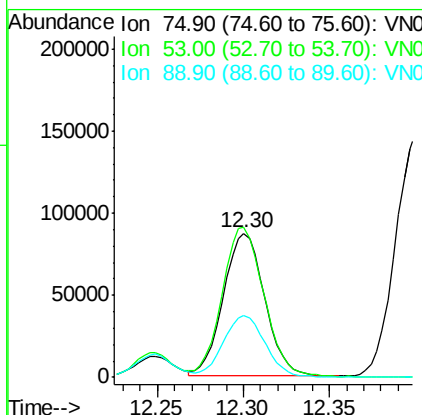
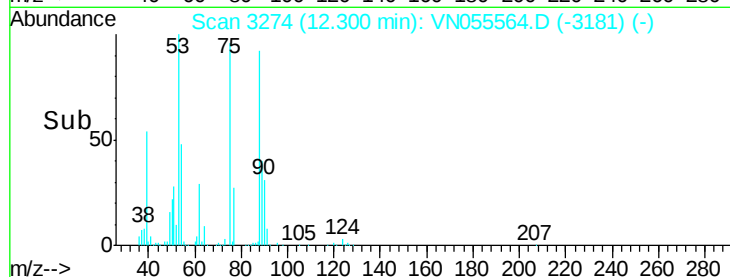
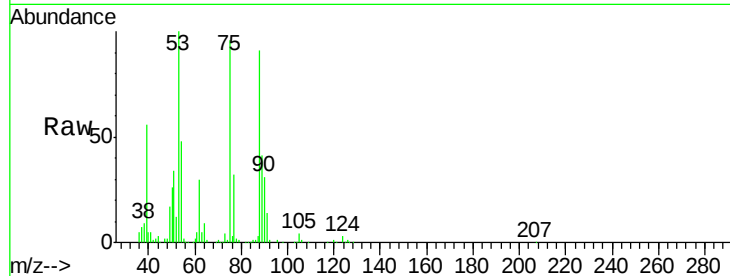
#81
trans-1,4-Dichloro-2-butene
Concen: 44.512 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.4	86.5	129.7
89	44.4	35.7	53.5

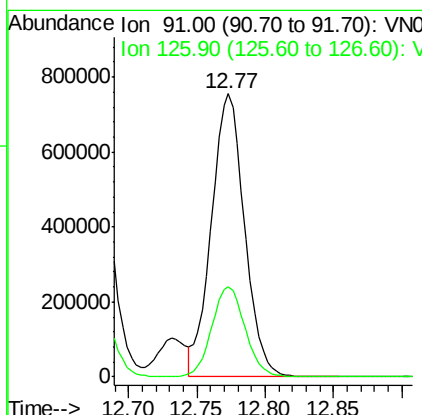
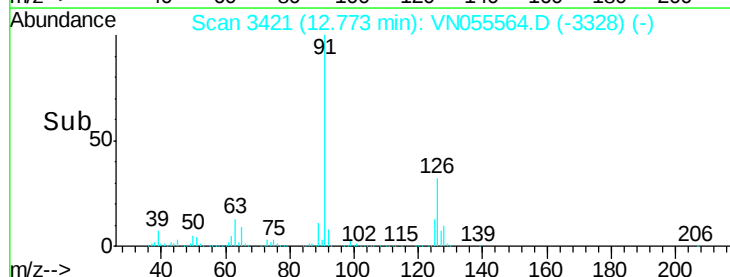
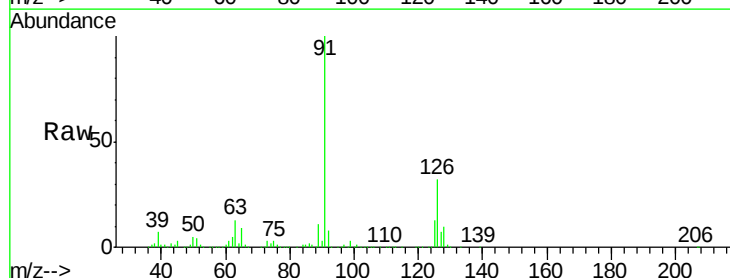
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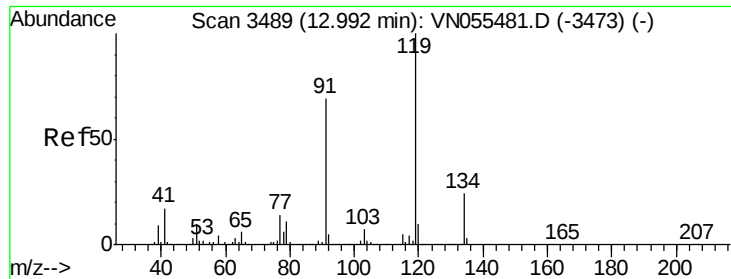
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#82
4-Chlorotoluene
Concen: 45.246 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.0





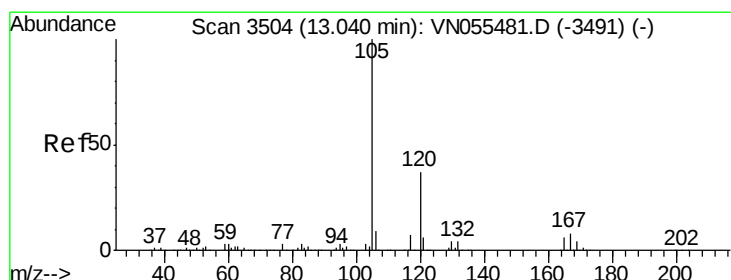
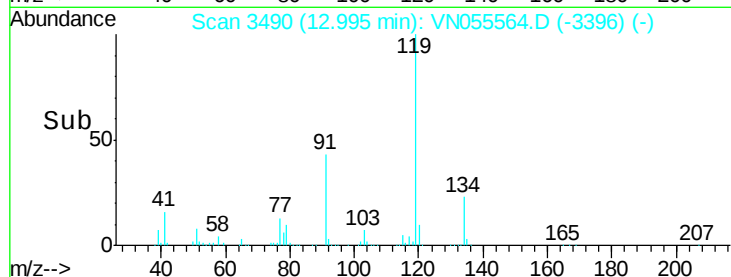
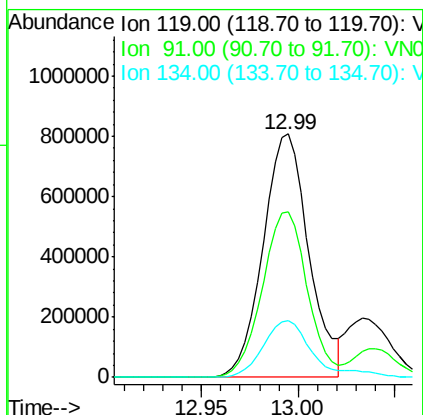
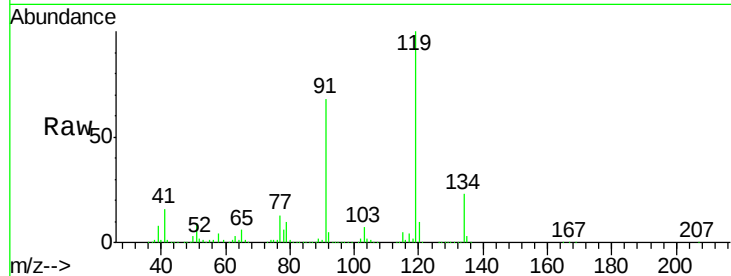
#83
 tert-Butylbenzene
 Concen: 43.861 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 1334770
 Ion Ratio Lower Upper
 119 100
 91 66.6 33.8 101.3
 134 25.3 12.5 37.5

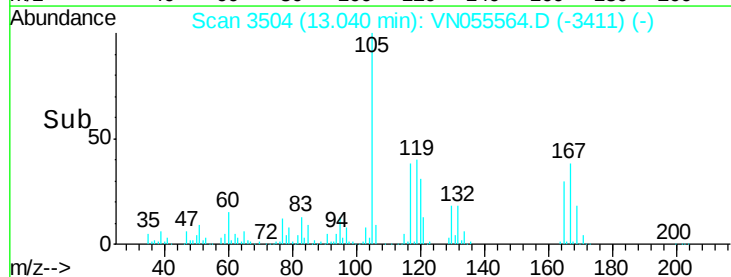
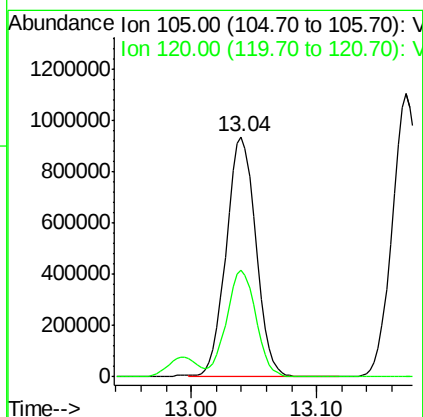
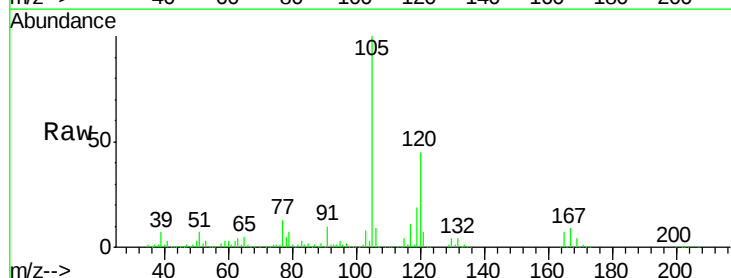
Manual Integrations
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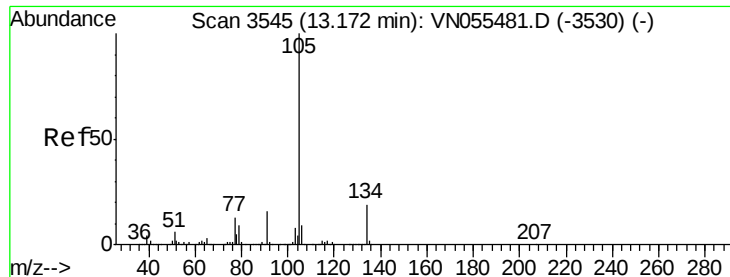
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.187 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Tgt Ion:105 Resp: 1536472
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.1 66.5





#85

sec-Butylbenzene

Concen: 43.472 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1758195

Ion Ratio Lower Upper

105 100

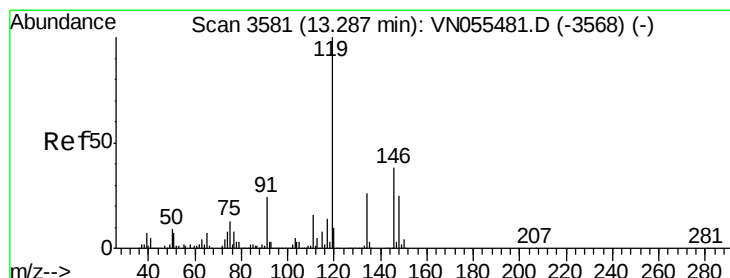
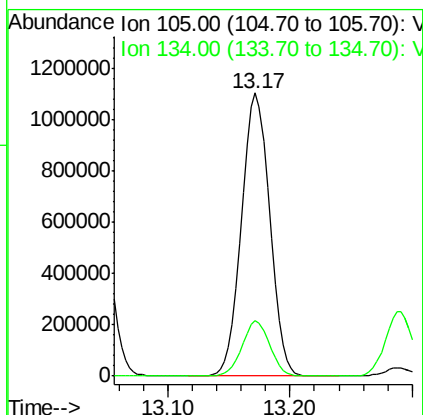
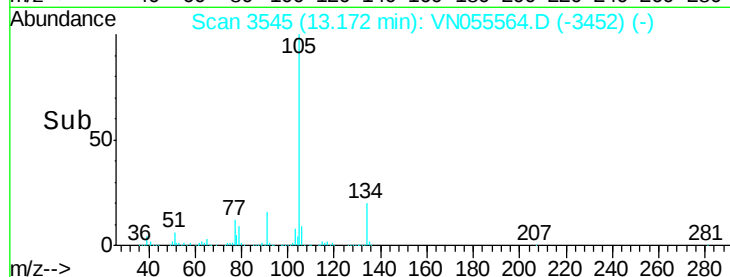
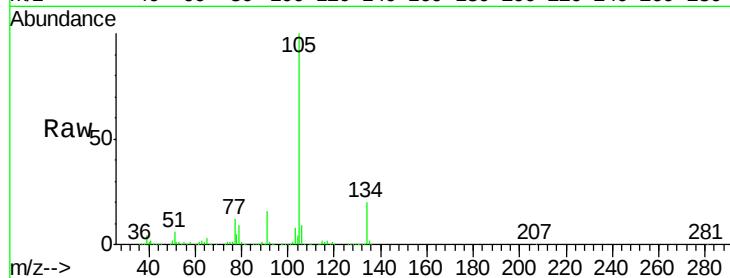
134 19.1 9.3 28.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 45.416 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN055564.D

Acq: 10 May 2019 20:19

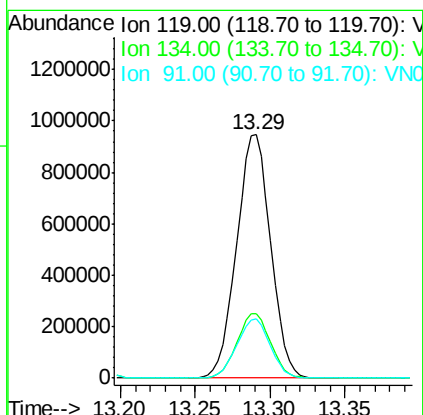
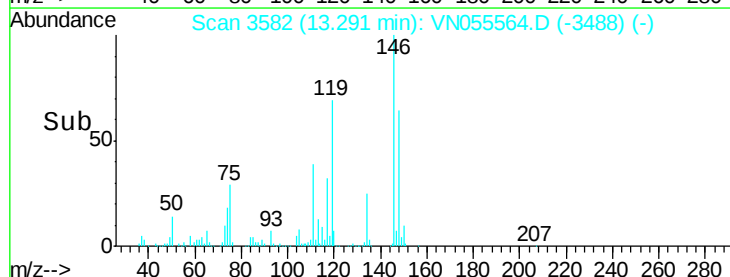
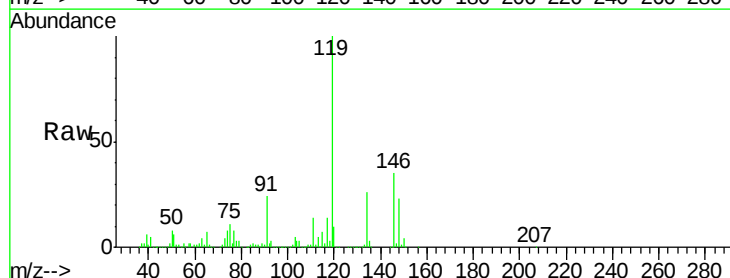
Tgt Ion:119 Resp: 1494890

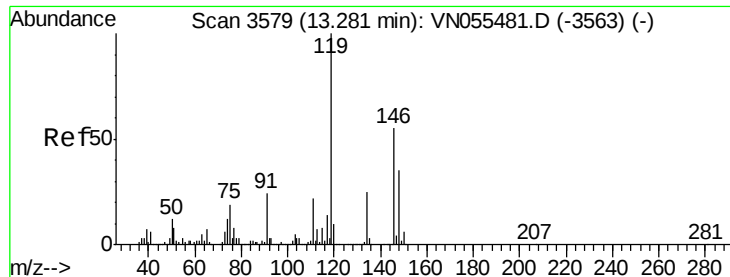
Ion Ratio Lower Upper

119 100

134 26.4 12.8 38.4

91 23.9 12.0 36.0





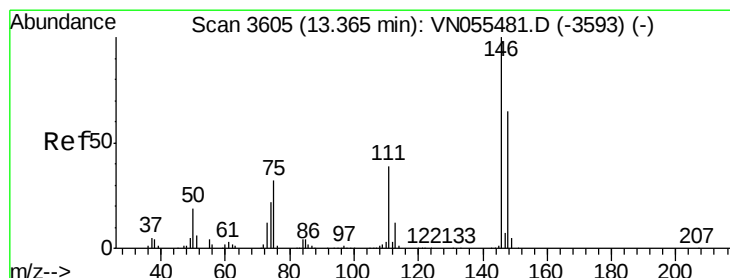
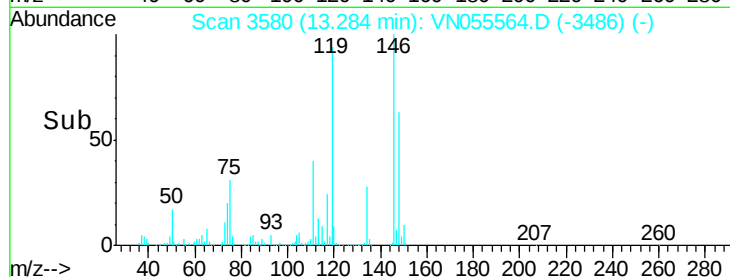
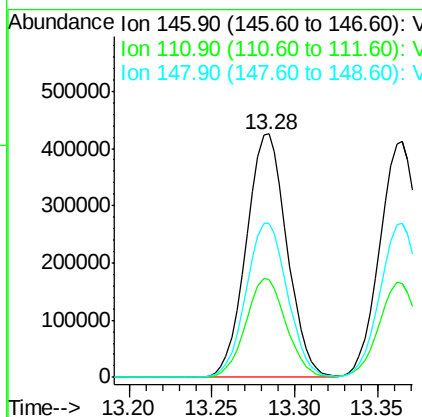
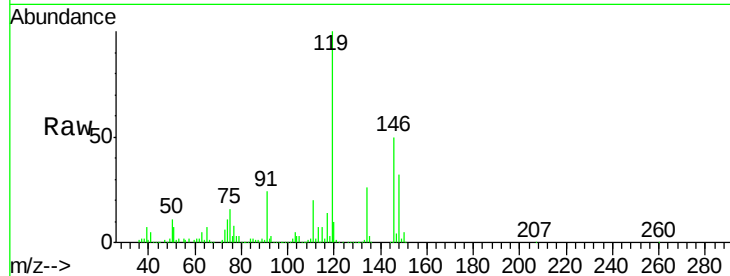
#87
 1,3-Dichlorobenzene
 Concen: 48.015 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.4	61.3
148	64.3	32.1	96.5

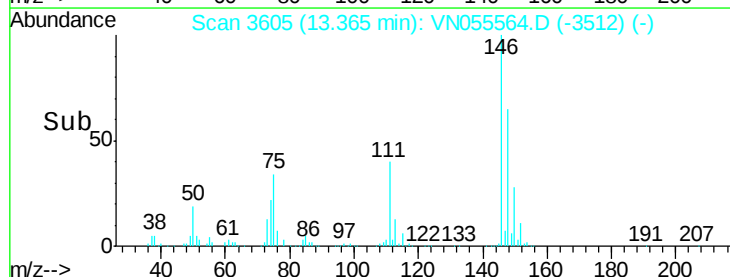
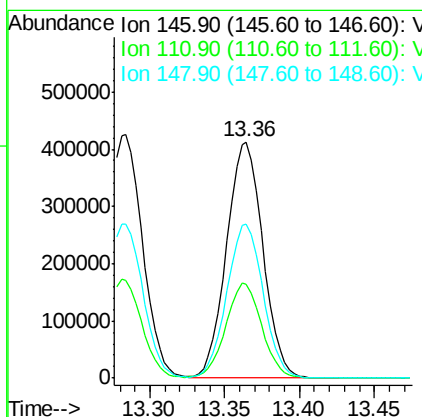
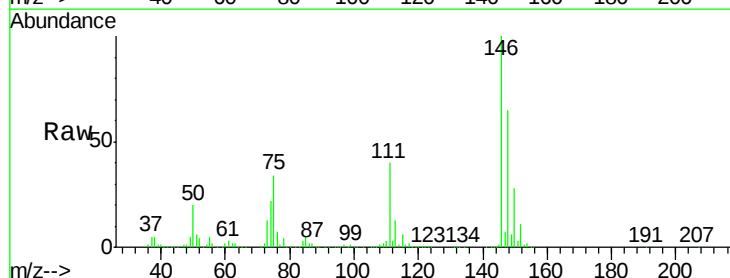
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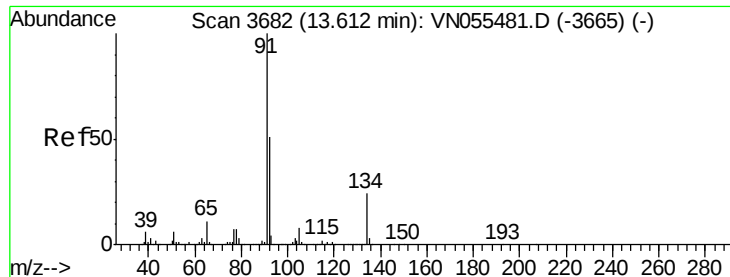
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#88
 1,4-Dichlorobenzene
 Concen: 46.775 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.6	58.8
148	65.5	32.5	97.4





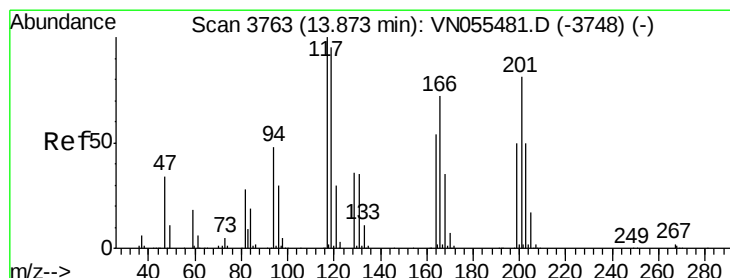
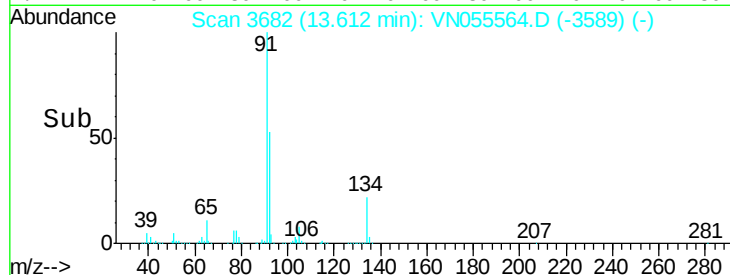
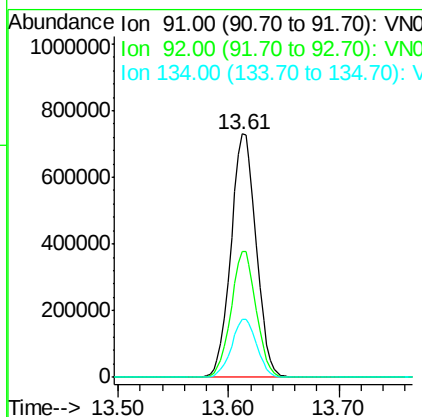
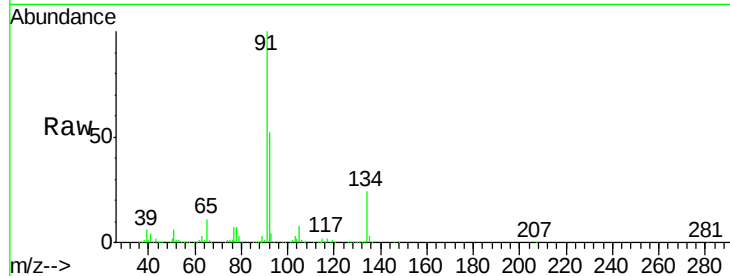
#89
n-Butylbenzene
Concen: 45.328 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1156463
Ion Ratio Lower Upper
91 100
92 51.4 25.9 77.7
134 23.9 11.8 35.4

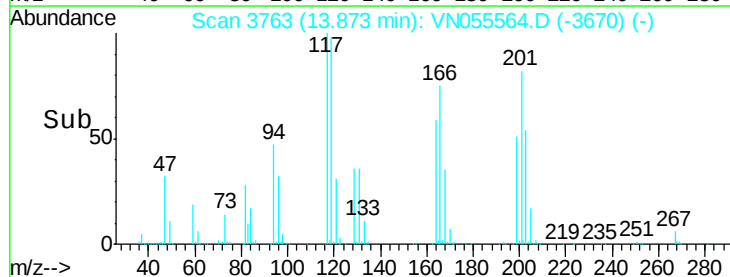
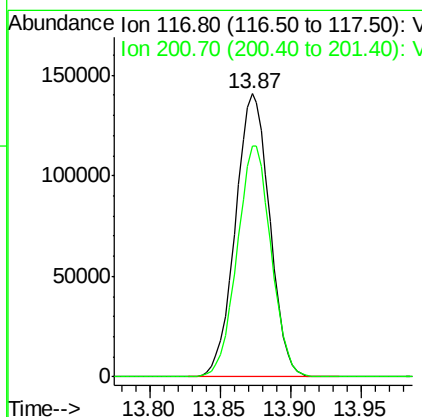
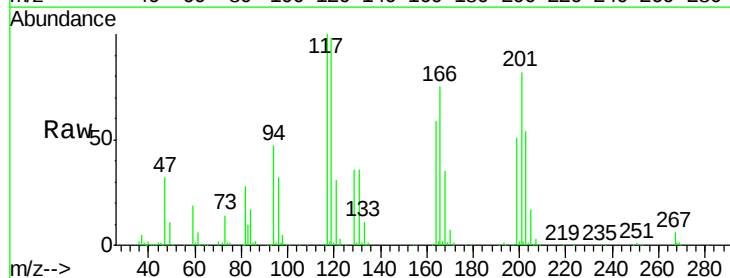
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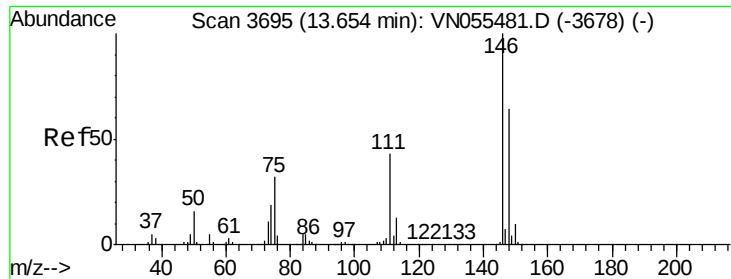
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#90
Hexachloroethane
Concen: 44.639 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion: 117 Resp: 239680
Ion Ratio Lower Upper
117 100
201 80.8 40.1 120.2





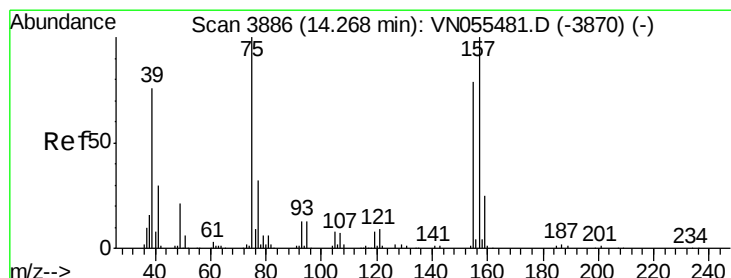
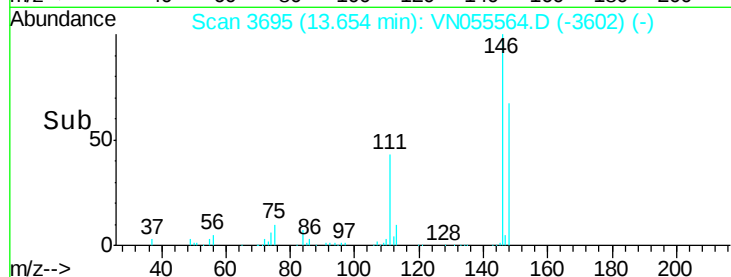
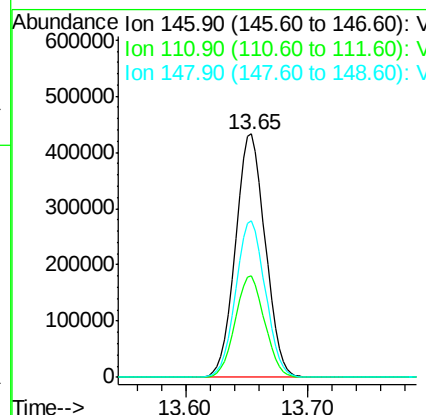
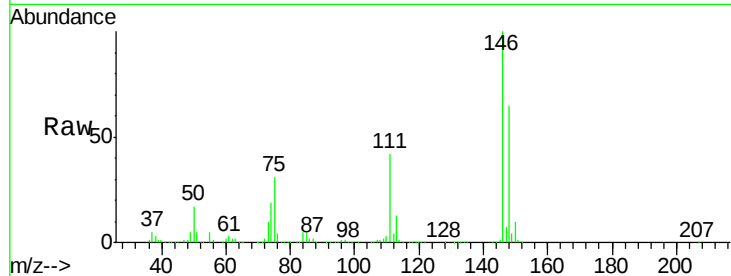
#91
 1,2-Dichlorobenzene
 Concen: 48.614 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.3	63.7
148	63.9	31.9	95.9

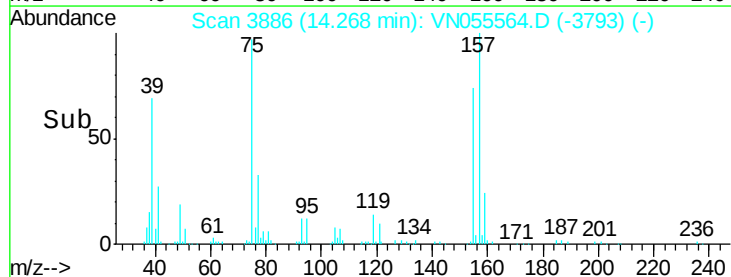
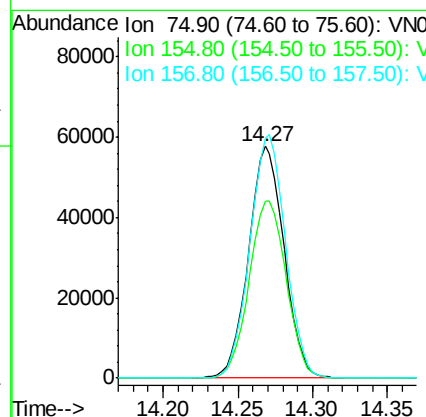
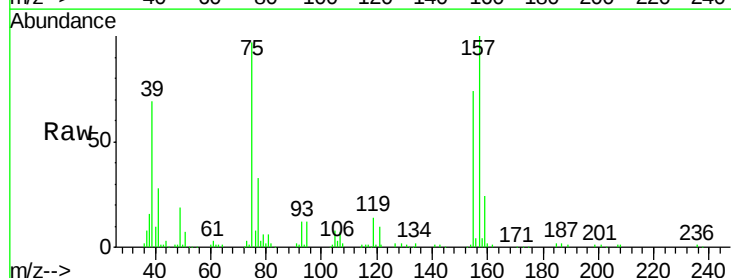
Manual Integrations
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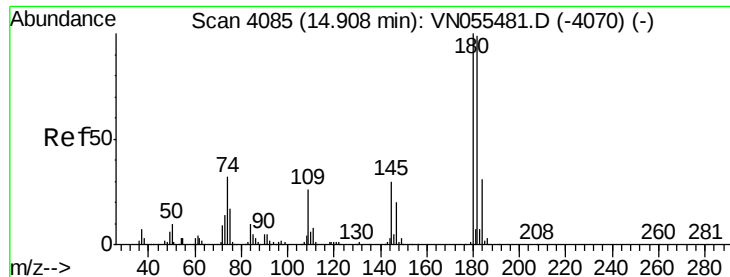
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.676 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	39.3	117.8
157	105.4	50.6	151.8





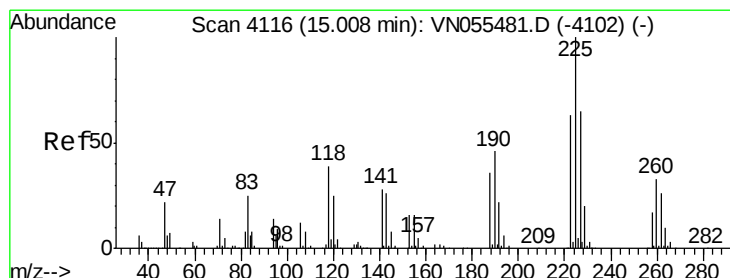
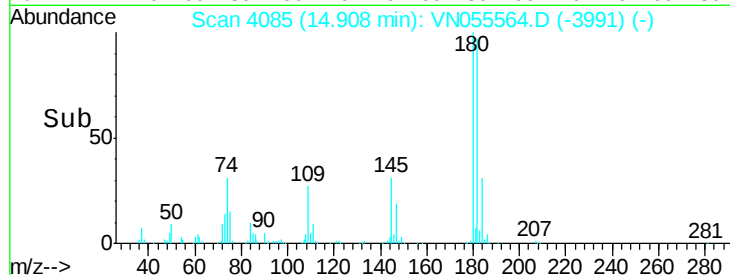
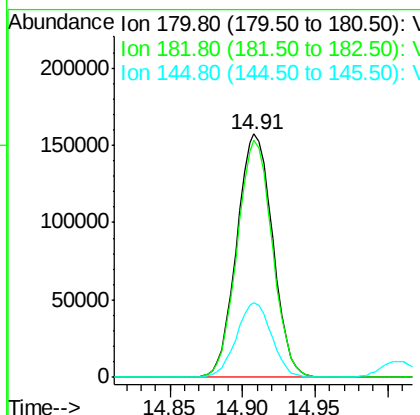
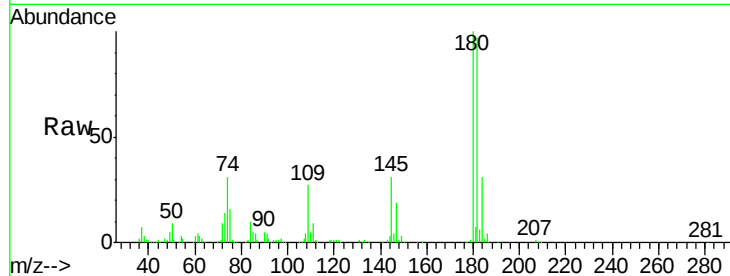
#93
 1,2,4-Trichlorobenzene
 Concen: 41.718 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	270715		
182	95.4	48.7	146.1	
145	30.0	15.3	45.9	

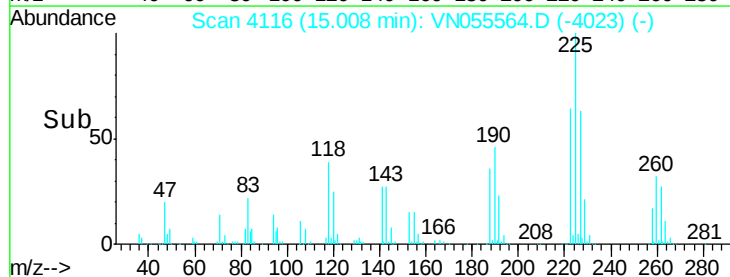
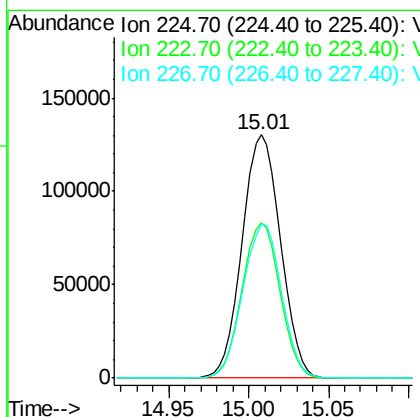
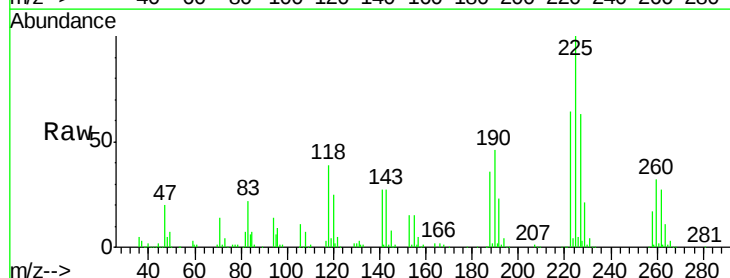
Manual Integrations
 APPROVED

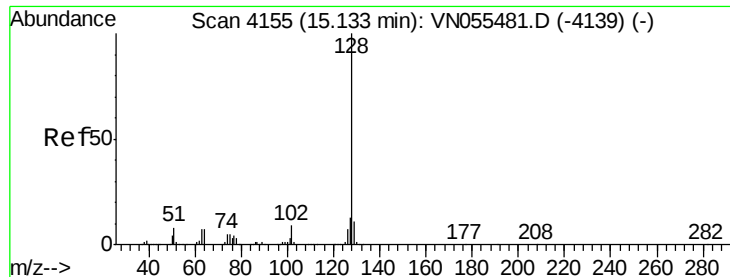
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#94
 Hexachlorobutadiene
 Concen: 47.702 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055564.D
 Acq: 10 May 2019 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	213763		
223	63.0	31.4	94.3	
227	63.6	32.0	96.0	





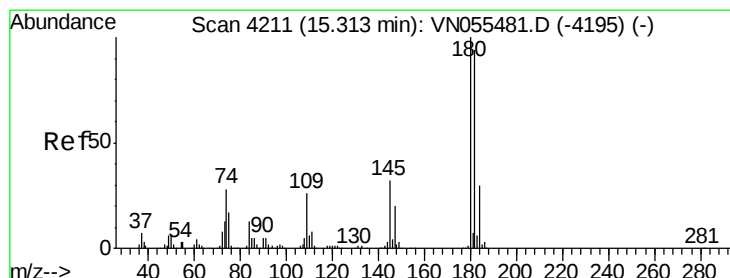
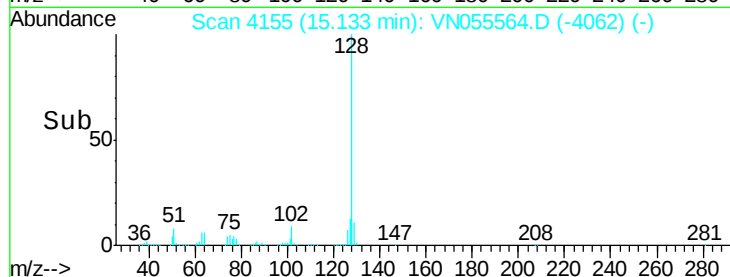
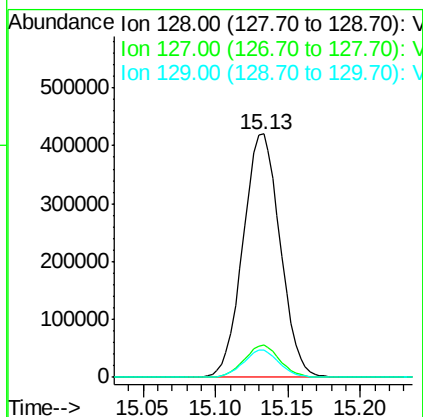
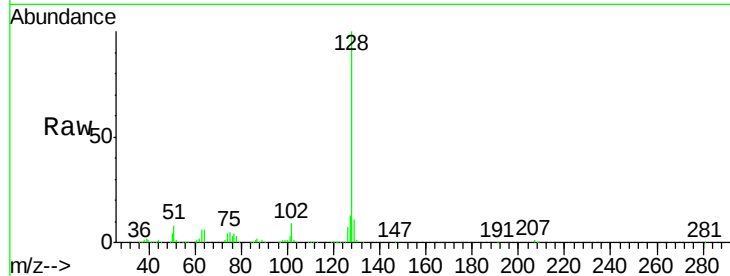
#95
Naphthalene
Concen: 41.115 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.0	15.0
129	10.9	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 43.123 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055564.D
Acq: 10 May 2019 20:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.1	141.3
145	31.5	15.8	47.4

