

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051019\
 Data File : VN055548.D
 Acq On : 10 May 2019 13:37
 Operator : JC/SP
 Sample : VN0510WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 1:16:54 PM

Quant Time: May 11 01:39:56 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	693916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1209451	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1046760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	406577	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	514372	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
35) Dibromofluoromethane	7.59	113	401884	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	10.09	98	1529253	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.40	95	498465	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	126882	17.960	ug/l	99
3) Chloromethane	2.06	50	208106	18.132	ug/l	100
4) Vinyl Chloride	2.19	62	201970	18.641	ug/l	99
5) Bromomethane	2.54	94	110222	18.568	ug/l	96
6) Chloroethane	2.69	64	126353	20.022	ug/l	99
7) Trichlorofluoromethane	3.01	101	235479	19.812	ug/l	100
8) Diethyl Ether	3.41	74	106163	19.888	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	145083	19.185	ug/l	99
10) Methyl Iodide	3.95	142	152878	14.957	ug/l	99
11) Tert butyl alcohol	4.82	59	142761	92.542	ug/l	100
12) 1,1-Dichloroethene	3.73	96	149196	19.672	ug/l	100
13) Acrolein	3.61	56	94538	91.951	ug/l	98
14) Allyl chloride	4.32	41	289204	18.615	ug/l	99
15) Acrylonitrile	5.00	53	472414	98.897	ug/l	99
16) Acetone	3.82	43	403744	83.457	ug/l	98
17) Carbon Disulfide	4.05	76	386128	18.654	ug/l	100
18) Methyl Acetate	4.33	43	204248	19.443	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	495032	19.644	ug/l	97
20) Methylene Chloride	4.54	84	187319	18.936	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	162687	19.785	ug/l	93
22) Diisopropyl ether	5.96	45	618514	19.592	ug/l	97
23) Vinyl Acetate	5.90	43	2371158	97.118	ug/l	100
24) 1,1-Dichloroethane	5.85	63	331374	19.444	ug/l	99
25) 2-Butanone	6.85	43	618542	92.558	ug/l	98
26) 2,2-Dichloropropane	6.82	77	201115	18.930	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	194886	20.508	ug/l	96
28) Bromochloromethane	7.20	49	194137	21.935	ug/l	96
29) Tetrahydrofuran	7.22	42	420878	95.267	ug/l	98
30) Chloroform	7.37	83	308880	19.606	ug/l	99
31) Cyclohexane	7.65	56	307116	18.214	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	241353	20.117	ug/l	100
36) 1,1-Dichloropropene	7.79	75	227523	19.095	ug/l	98
37) Ethyl Acetate	6.93	43	250750	19.292	ug/l	100
38) Carbon Tetrachloride	7.77	117	194824	19.418	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	263651	18.148	ug/l	97
40) Benzene	8.04	78	735129	19.879	ug/l	99
41) Methacrylonitrile	7.18	41	119895	19.874	ug/l	97
42) 1,2-Dichloroethane	8.13	62	250895	19.311	ug/l	100
43) Isopropyl Acetate	8.17	43	375575	19.020	ug/l	98
44) Trichloroethene	8.84	130	174774	19.863	ug/l	93
45) 1,2-Dichloropropane	9.12	63	202199	19.110	ug/l	99
46) Dibromomethane	9.21	93	122669	20.001	ug/l	99
47) Bromodichloromethane	9.40	83	228871	19.507	ug/l	96
48) Methyl methacrylate	9.20	41	177097	18.614	ug/l	97
49) 1,4-Dioxane	9.20	88	71562	385.926	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1229113	94.643	ug/l	100
52) Toluene	10.16	92	423193	20.018	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	218351	19.377	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	267378	19.857	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	171186	19.985	ug/l	98
56) Ethyl methacrylate	10.43	69	241741	18.974	ug/l	98
57) 1,3-Dichloropropane	10.71	76	301736	19.842	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	323535	84.170	ug/l	99
59) 2-Hexanone	10.75	43	845863	92.873	ug/l	100
60) Dibromochloromethane	10.90	129	153667	19.731	ug/l	96
61) 1,2-Dibromoethane	11.01	107	159170	19.340	ug/l	94
64) Tetrachloroethene	10.63	164	163659	19.081	ug/l	98
65) Chlorobenzene	11.43	112	423489	19.665	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	152803	20.610	ug/l	99
67) Ethyl Benzene	11.51	91	771528	19.075	ug/l	99
68) m/p-Xylenes	11.62	106	569047	39.203	ug/l	99
69) o-Xylene	11.95	106	283341	19.860	ug/l	96
70) Styrene	11.96	104	455258	19.918	ug/l	100
71) Bromoform	12.13	173	101425	20.273	ug/l #	99
73) Isopropylbenzene	12.25	105	746020	20.789	ug/l	99
74) N-amyl acetate	12.07	43	287029	18.595	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	241086	20.684	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	202519m	18.297	ug/l	
77) Bromobenzene	12.53	156	172931	19.300	ug/l	95
78) n-propylbenzene	12.59	91	814913	18.687	ug/l	99
79) 2-Chlorotoluene	12.67	91	507306	18.667	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	610402	18.772	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	53718	17.908	ug/l	93
82) 4-Chlorotoluene	12.77	91	477516	18.595	ug/l	98
83) tert-Butylbenzene	12.99	119	530206	19.023	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	553683	18.567	ug/l	99
85) sec-Butylbenzene	13.17	105	690279	18.635	ug/l	99
86) p-Isopropyltoluene	13.29	119	555023	18.411	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	266428	19.243	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	258249	18.900	ug/l	98
89) n-Butylbenzene	13.61	91	390001	16.691	ug/l	100
90) Hexachloroethane	13.87	117	90892	18.483	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	270677	19.561	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34354	18.375	ug/l	98

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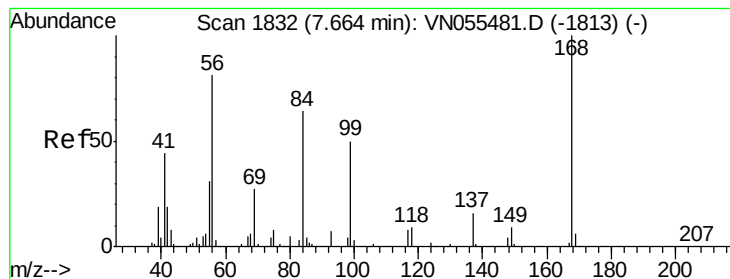
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	78337	15.374	ug/l	98
94) Hexachlorobutadiene	15.01	225	83732	19.004	ug/l	99
95) Naphthalene	15.13	128	226690	15.524	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	91590	15.781	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBSD02

Tot Ion:168 Resp: 693916

Ion Ratio Lower Upper

168 100

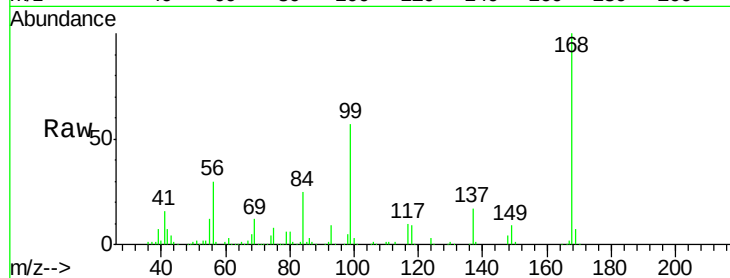
99 55.8 47.0 70.4

Manual Integrations

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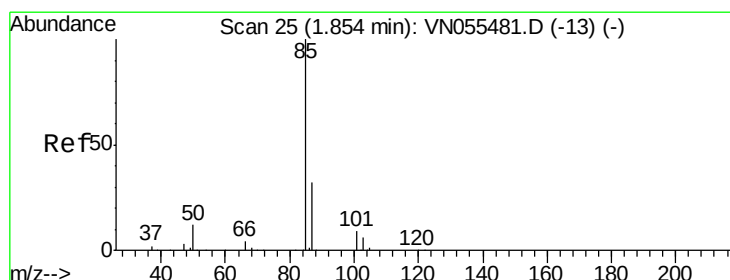
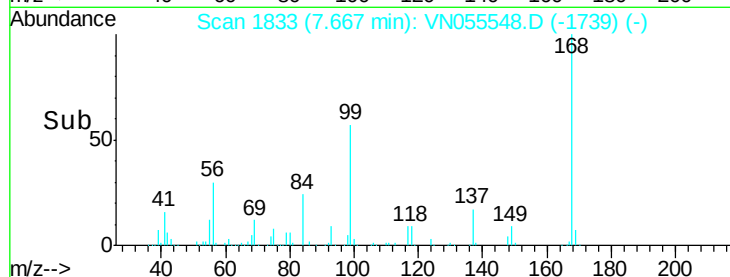
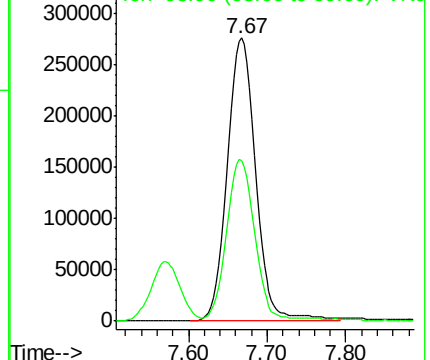
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 17.960 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055548.D

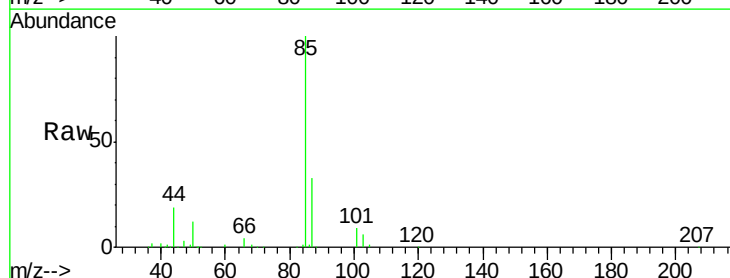
Acq: 10 May 2019 13:37

Tgt Ion: 85 Resp: 126882

Ion Ratio Lower Upper

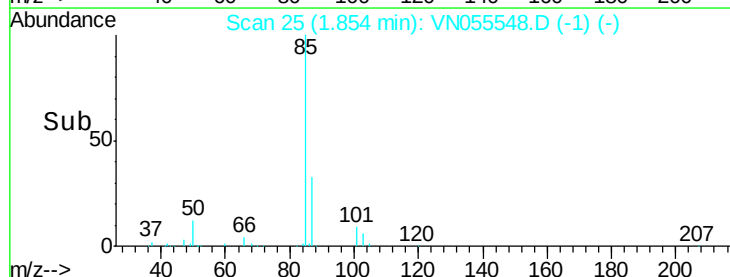
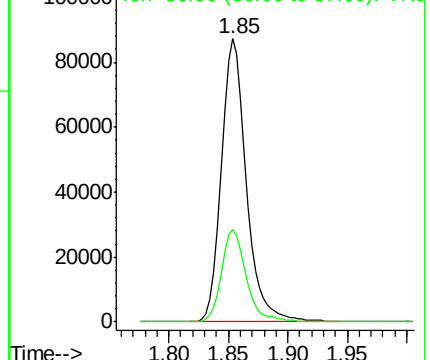
85 100

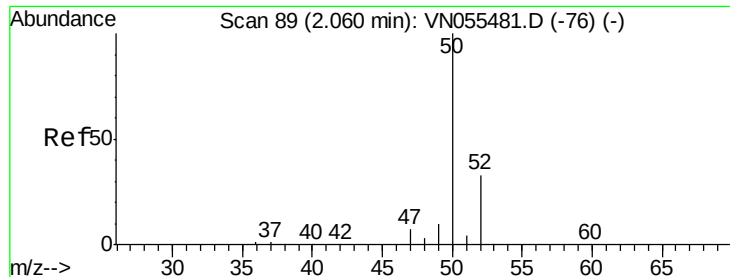
87 32.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.132 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBSD02

Tot Ion: 50 Resp: 208106

Ion Ratio Lower Upper

50 100

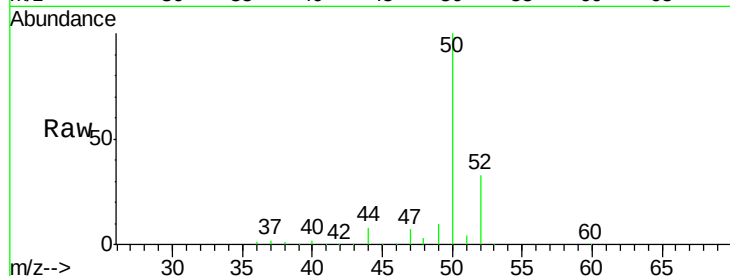
52 33.3 26.6 39.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

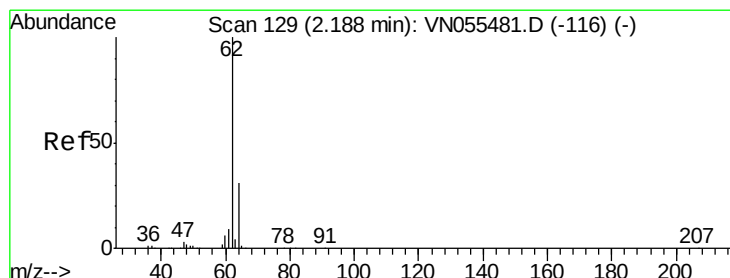
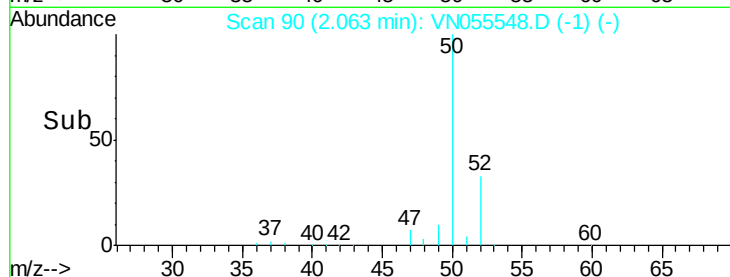
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 18.641 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055548.D

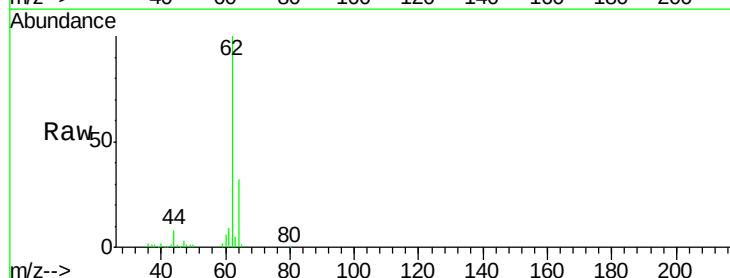
Acq: 10 May 2019 13:37

Tgt Ion: 62 Resp: 201970

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

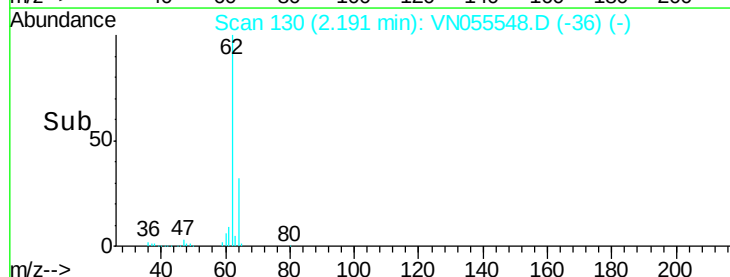
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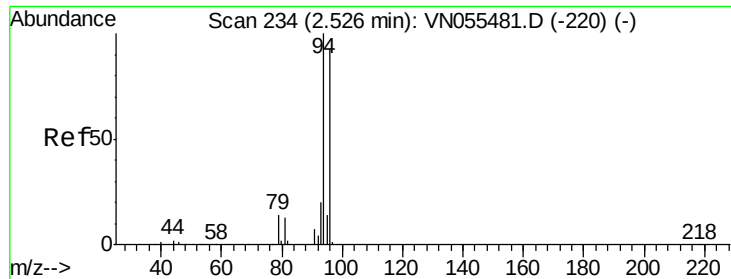
100000

50000

0

Time-->





#5

Bromomethane

Concen: 18.568 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.02 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBSD02

Tot Ion: 94 Resp: 110222

Ion Ratio Lower Upper

94 100

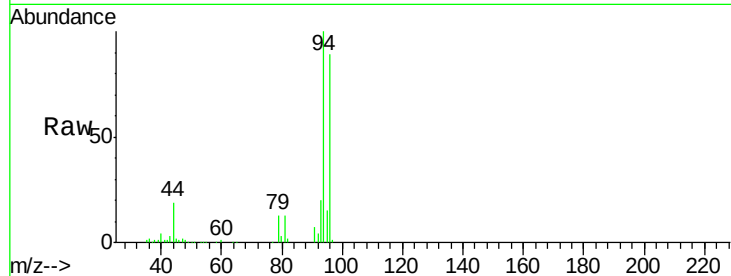
96 89.2 74.8 112.2

Manual Integrations

APPROVED

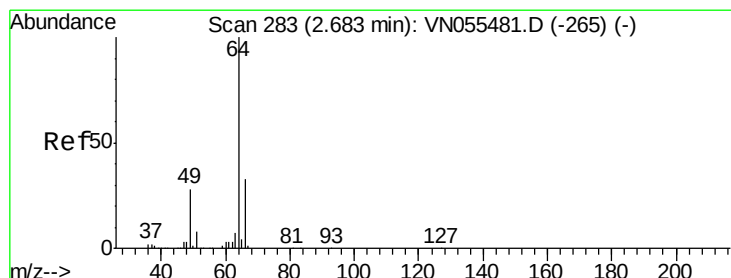
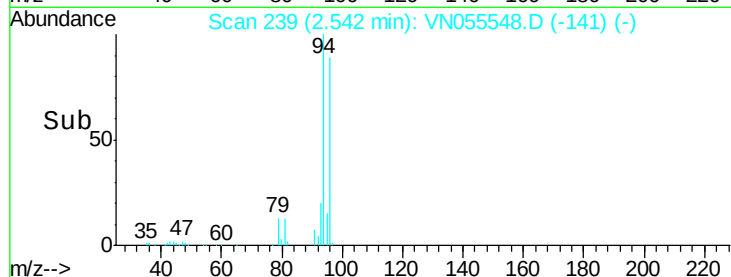
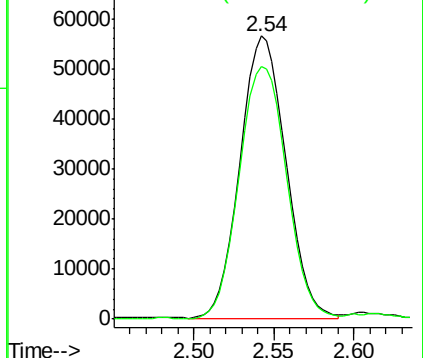
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.022 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN055548.D

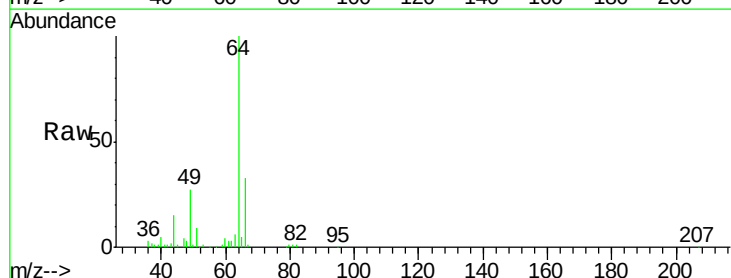
Acq: 10 May 2019 13:37

Tgt Ion: 64 Resp: 126353

Ion Ratio Lower Upper

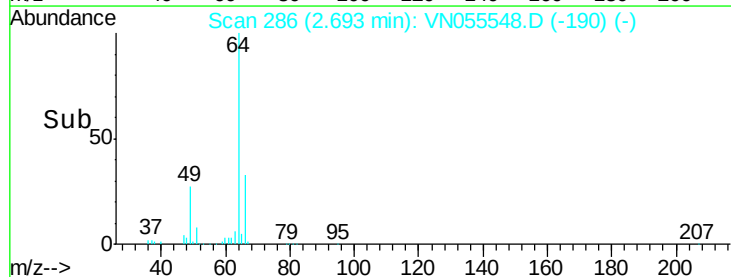
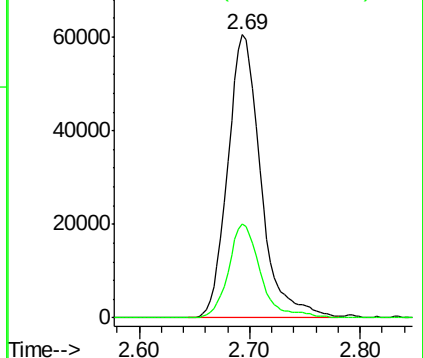
64 100

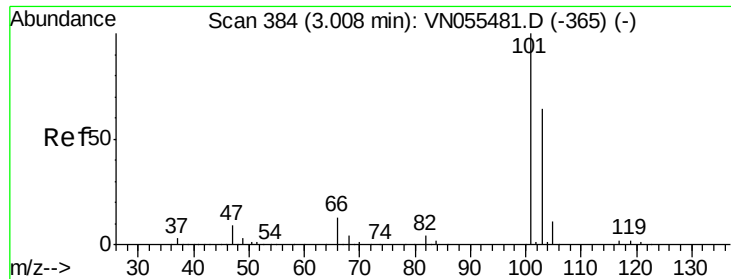
66 33.0 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

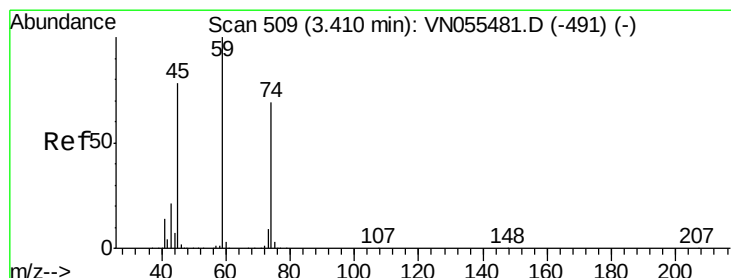
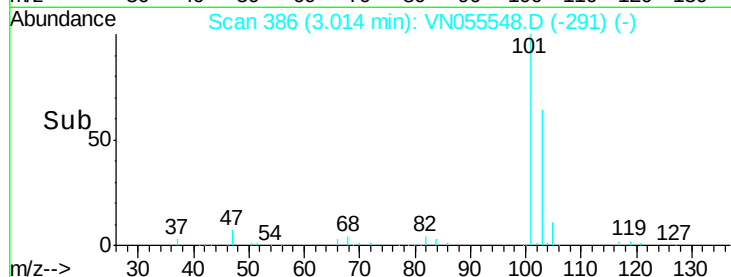
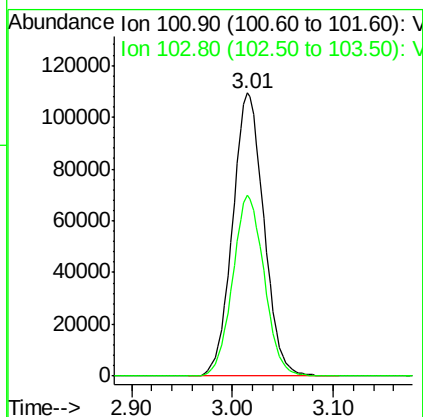
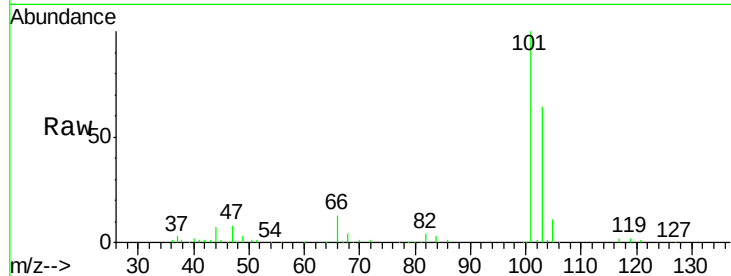
Trichlorofluoromethane
Concen: 19.812 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.01 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_N
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VN0510WBSD02

Tot Ion:101 Resp: 235479
Ion Ratio Lower Upper
101 100
103 63.9 51.2 76.8

Manual Integrations
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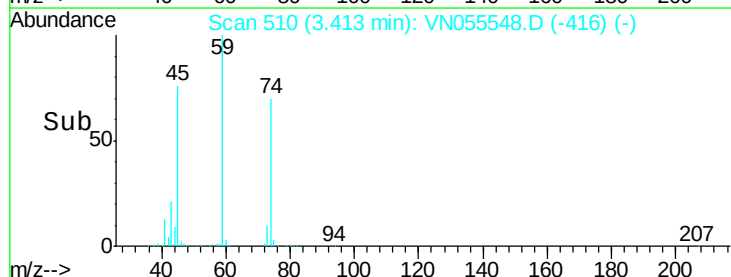
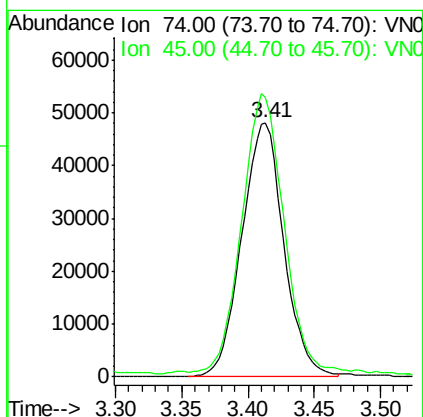
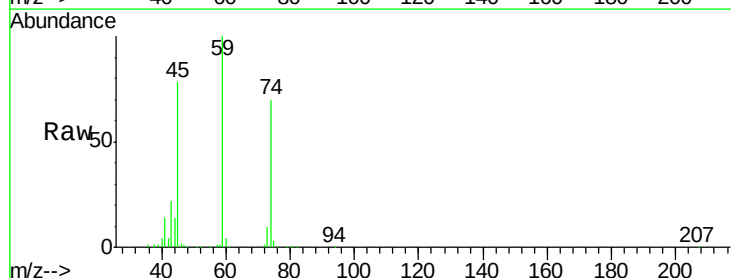
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5/11/2019 1:16:54 PM

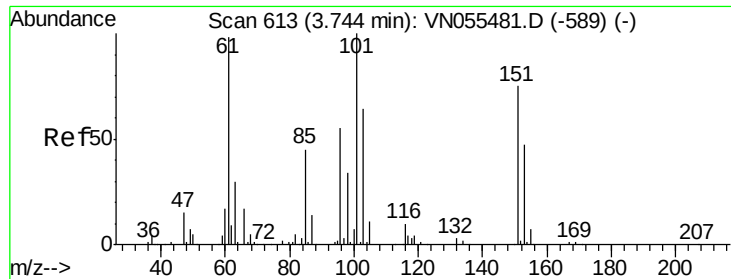


#8

Diethyl Ether
Concen: 19.888 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Tgt Ion: 74 Resp: 106163
Ion Ratio Lower Upper
74 100
45 112.8 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.185 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_N

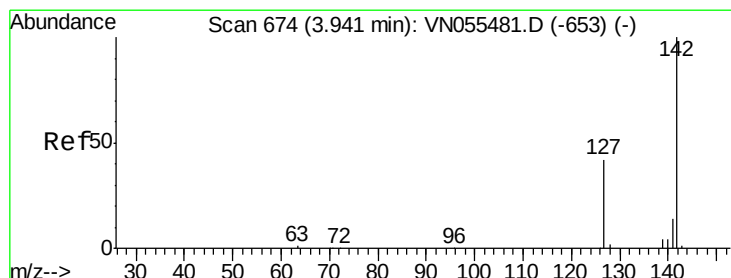
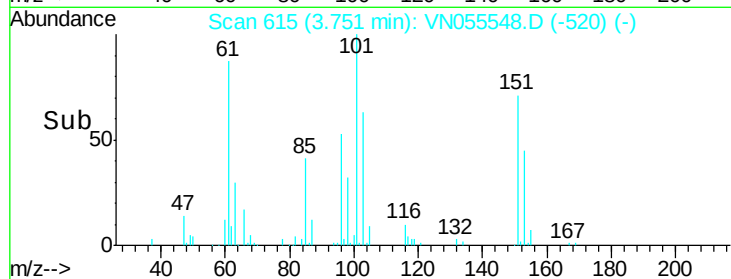
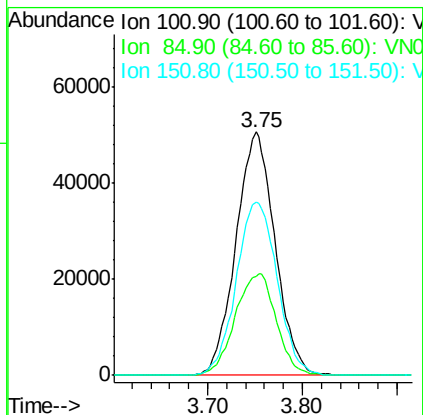
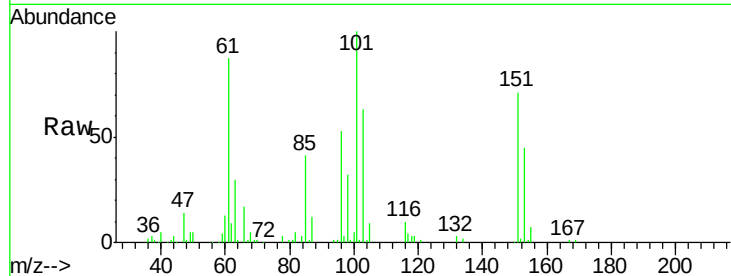
ClientSampleId :

VN0510WBSD02

Tot Ion:	101	Resp:	145083
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.5	53.3
151	74.5	59.2	88.8

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#10

Methyl Iodide

Concen: 14.957 ug/l

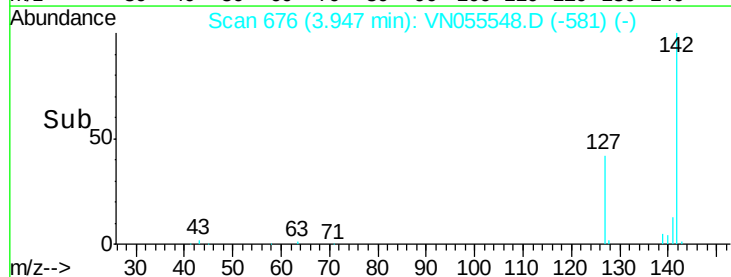
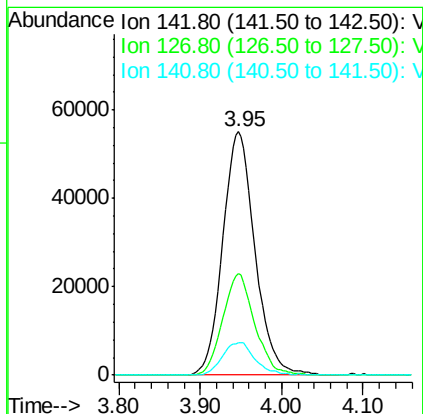
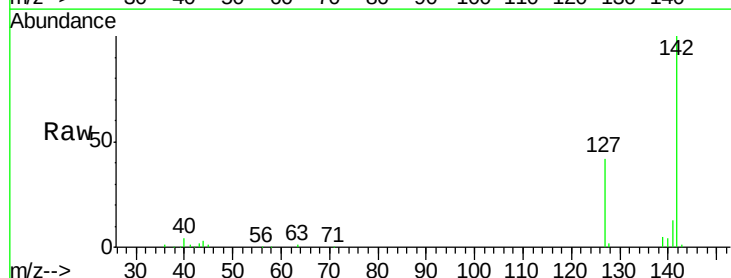
RT: 3.95 min Scan# 676

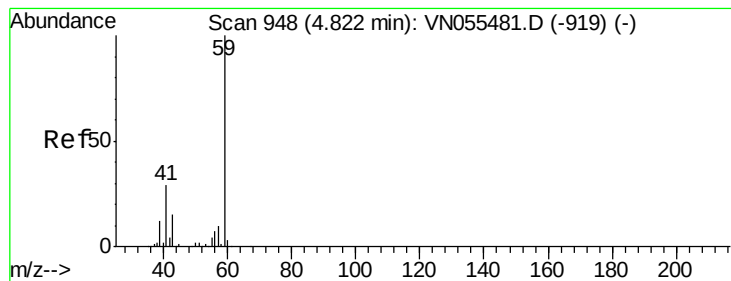
Delta R.T. 0.01 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Tgt Ion:	142	Resp:	152878
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.0	49.4
141	13.7	11.4	17.0





#11

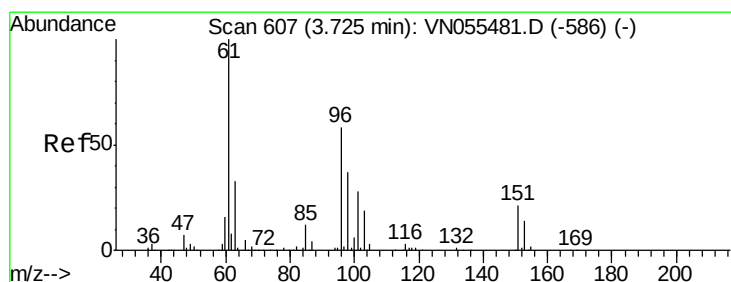
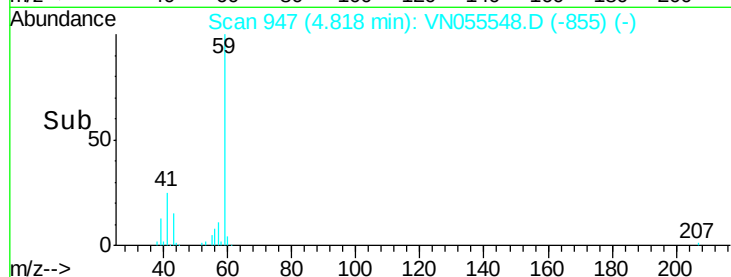
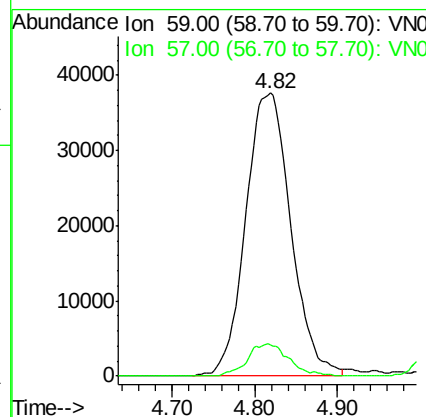
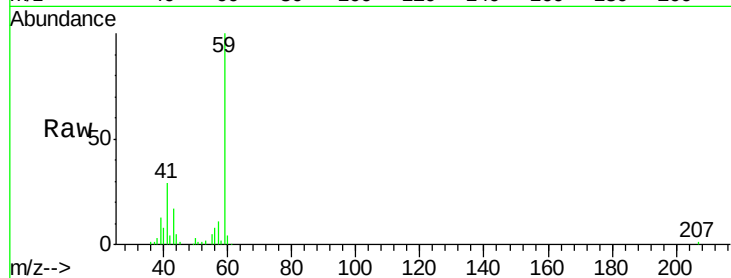
Tert butyl alcohol
Concen: 92.542 ug/l
RT: 4.82 min Scan# 947
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0

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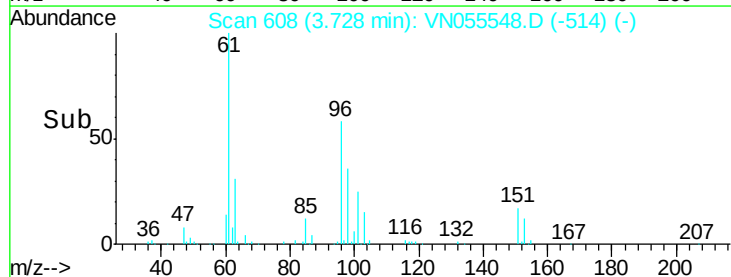
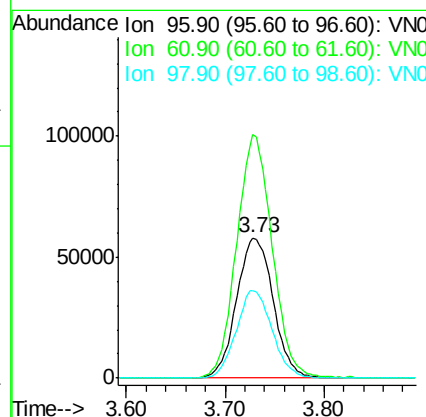
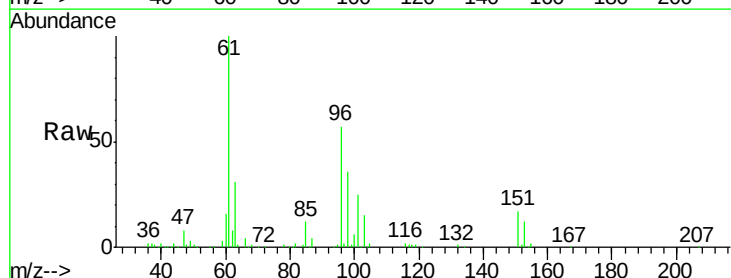
MMDadoda
5/11/2019 1:16:54 PM

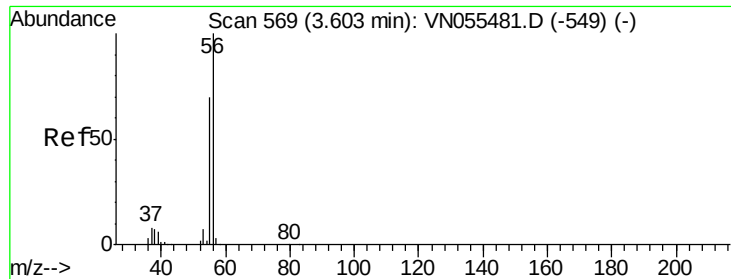


#12

1,1-Dichloroethene
Concen: 19.672 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.0	138.7	208.1
98	62.9	50.6	76.0





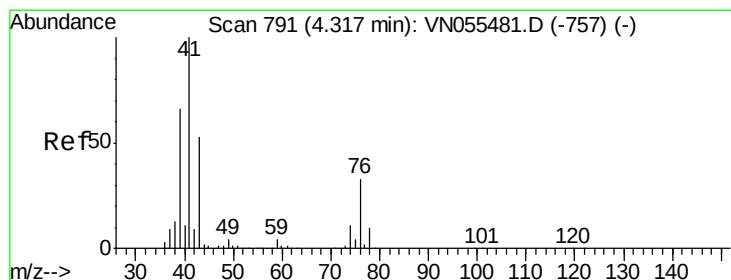
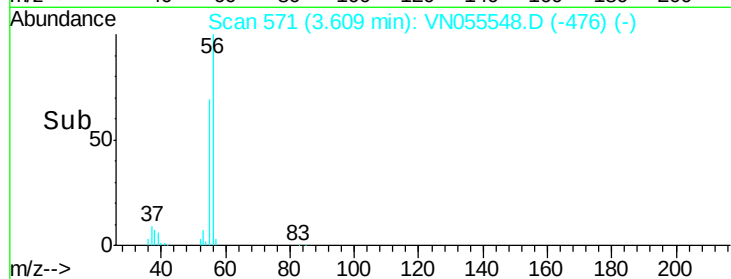
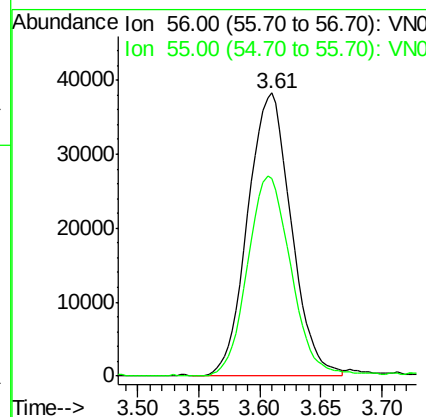
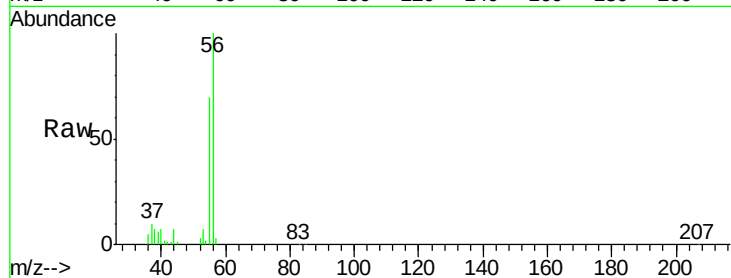
#13
Acrolein
Concen: 91.951 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.01 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	70.3	57.7	86.5

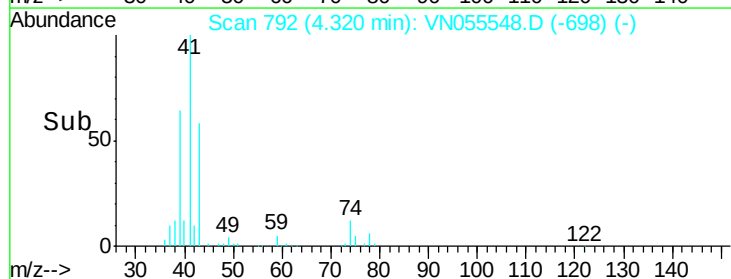
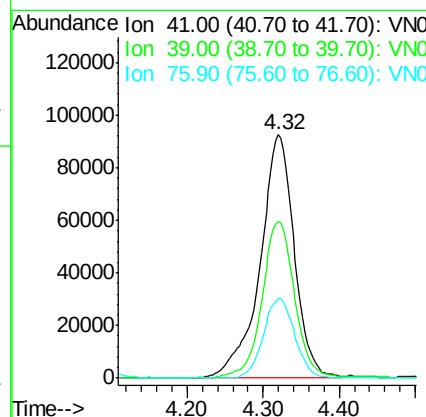
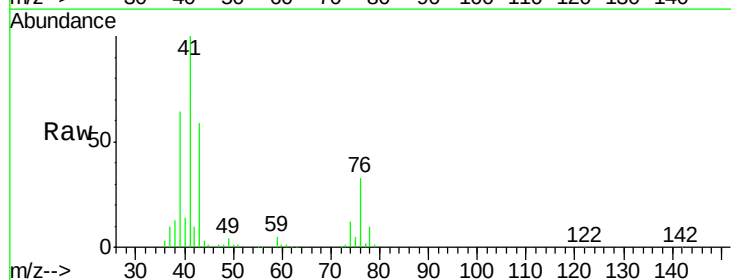
Manual Integrations
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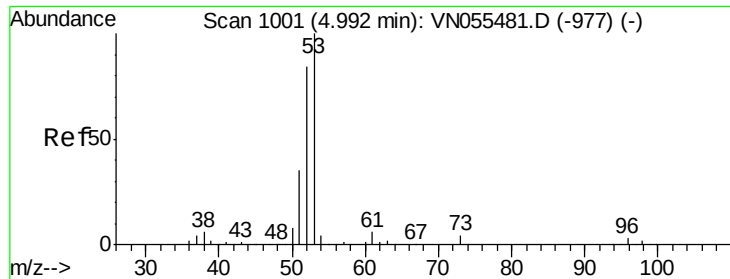
MMDadoda
5/11/2019 1:16:54 PM



#14
Allyl chloride
Concen: 18.615 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	61.7	49.8	74.8
76	76	30.1	23.5	35.3





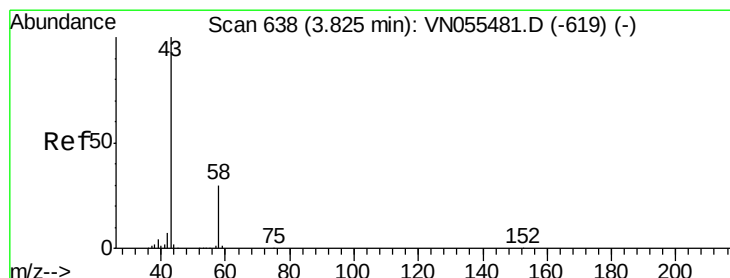
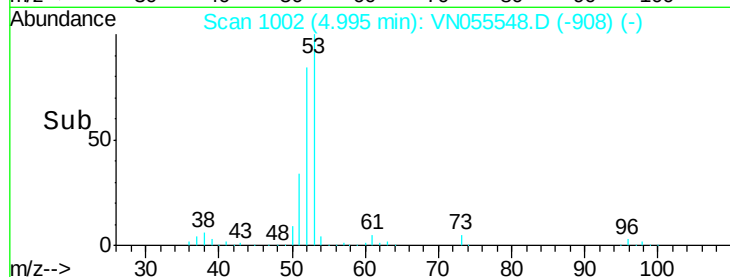
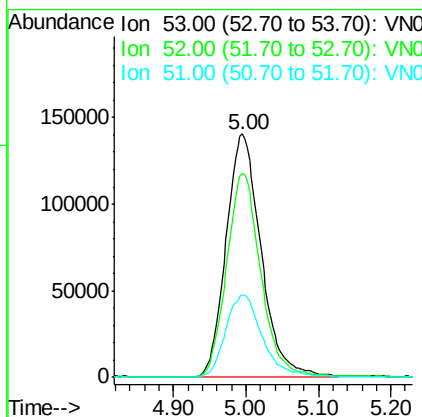
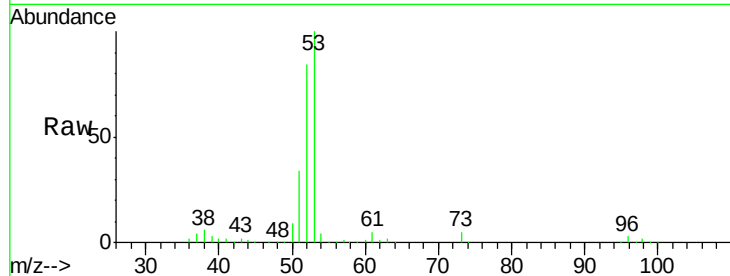
#15
 Acrylonitrile
 Concen: 98.897 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN055548.D
 Acq: 10 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBSD02

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.1	99.1
51	35.2	28.3	42.5

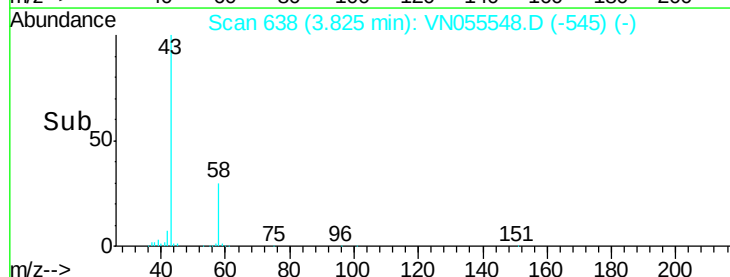
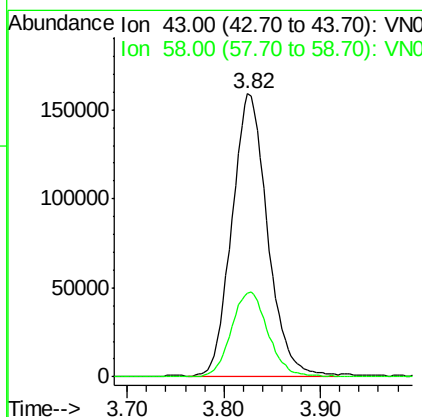
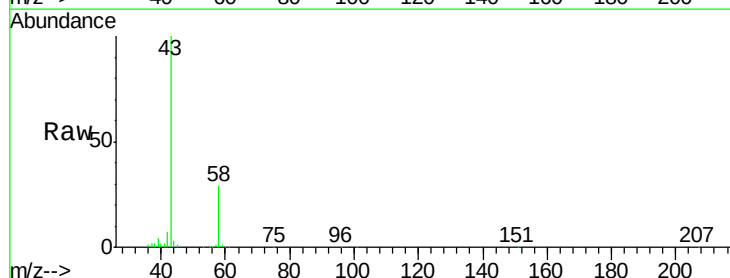
Manual Integrations
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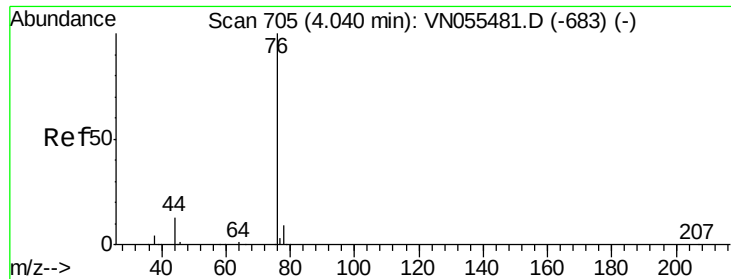
MMDadoda
 5/11/2019 1:16:54 PM



#16
 Acetone
 Concen: 83.457 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: VN055548.D
 Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.4	24.2	36.2





#17

Carbon Disulfide

Concen: 18.654 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBSD02

Tot Ion: 76 Resp: 386128

Ion Ratio Lower Upper

76 100

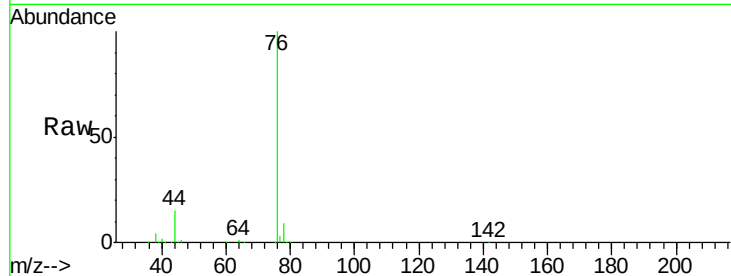
78 9.3 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

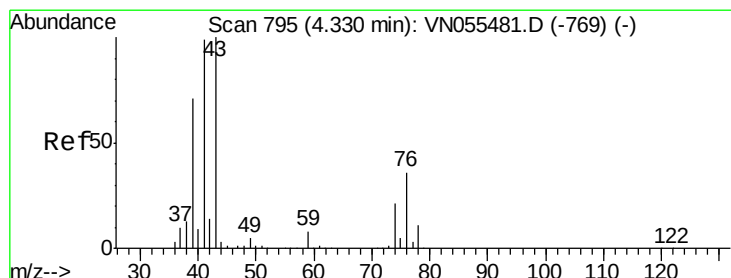
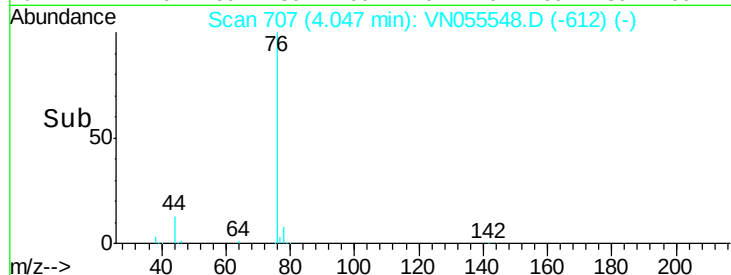
150000

100000

50000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 19.443 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN055548.D

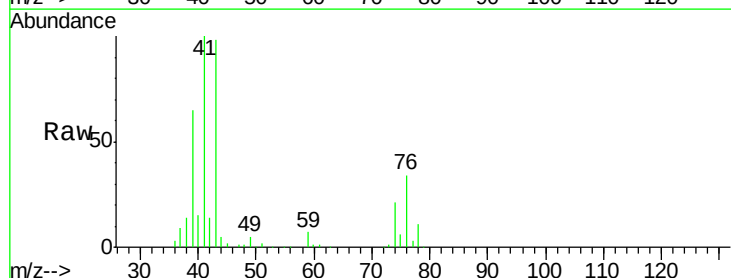
Acq: 10 May 2019 13:37

Tgt Ion: 43 Resp: 204248

Ion Ratio Lower Upper

43 100

74 21.2 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

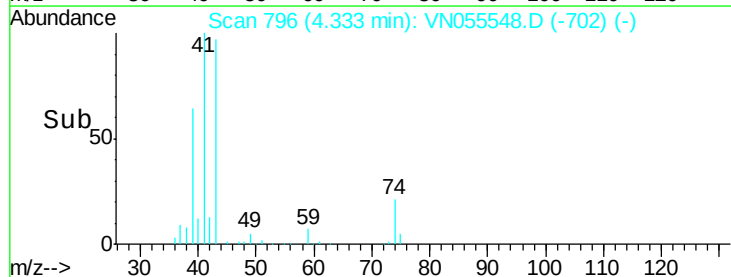
60000

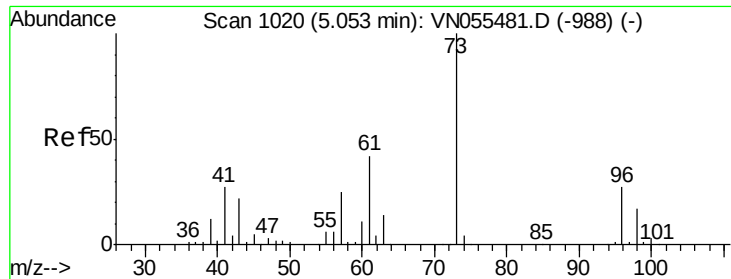
40000

20000

0

Time--> 4.20 4.30 4.40 4.50





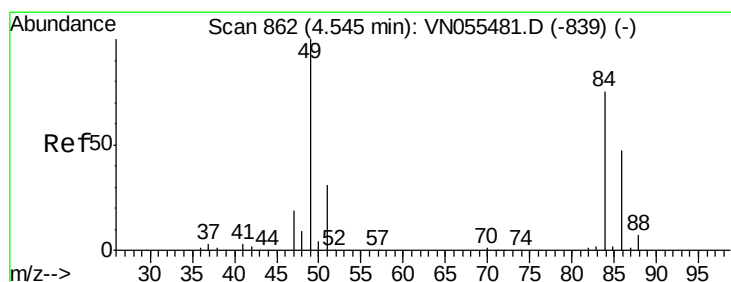
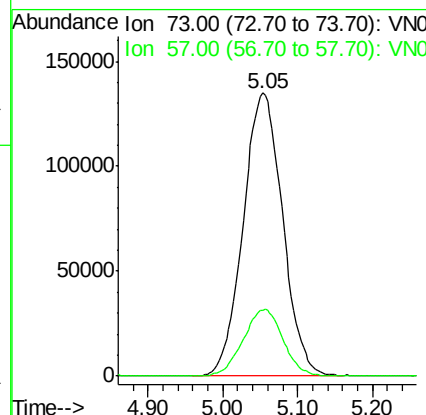
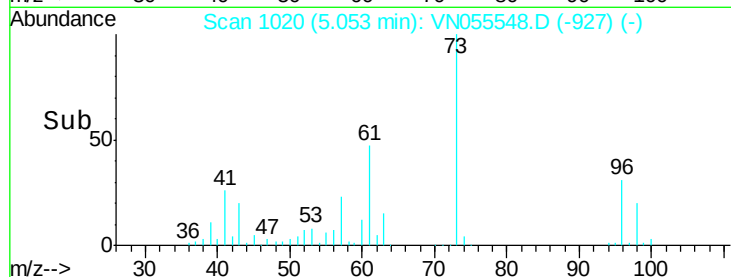
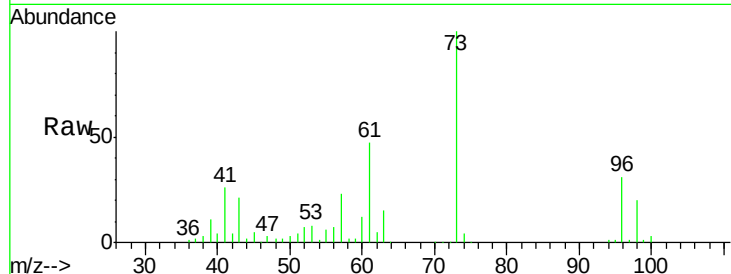
#19
Methyl tert-butyl Ether
Concen: 19.644 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBSD02

Tot Ion: 73 Resp: 495032
Ion Ratio Lower Upper
73 100
57 23.5 20.0 30.0

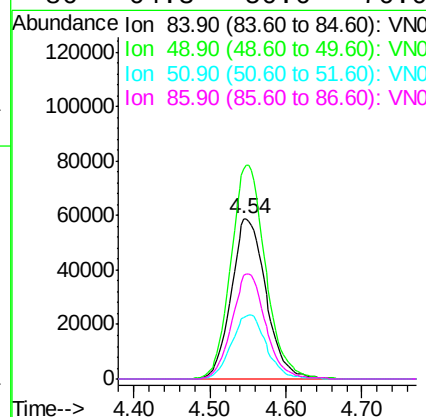
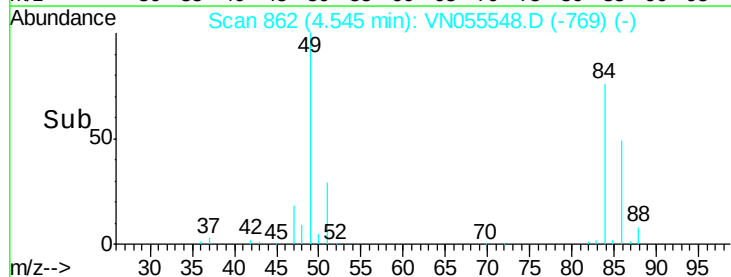
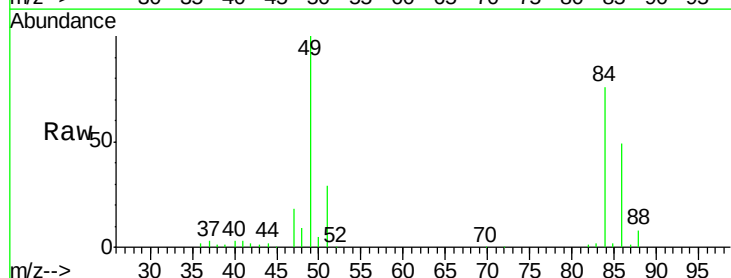
Manual Integrations
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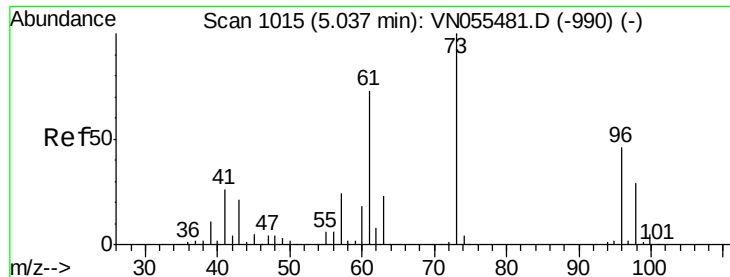
MMDadoda
5/11/2019 1:16:54 PM



#20
Methylene Chloride
Concen: 18.936 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Tgt Ion: 84 Resp: 187319
Ion Ratio Lower Upper
84 100
49 130.7 107.0 160.6
51 38.4 33.0 49.4
86 64.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 19.785 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBSD02

Tot Ion: 96 Resp: 162687

Ion Ratio Lower Upper

96 100

61 146.8 127.4 191.0

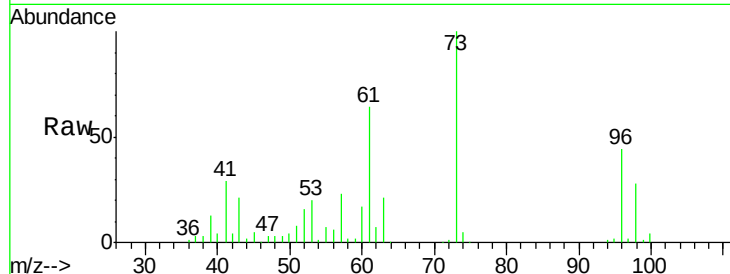
98 63.0 51.6 77.4

Manual Integrations

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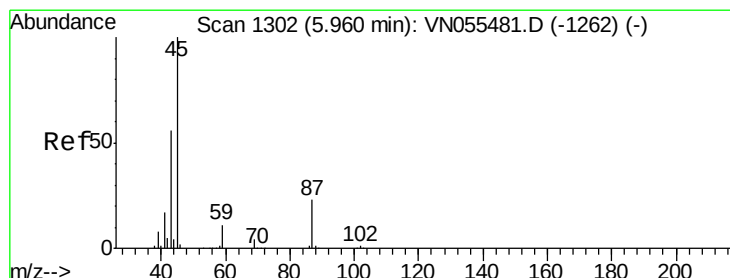
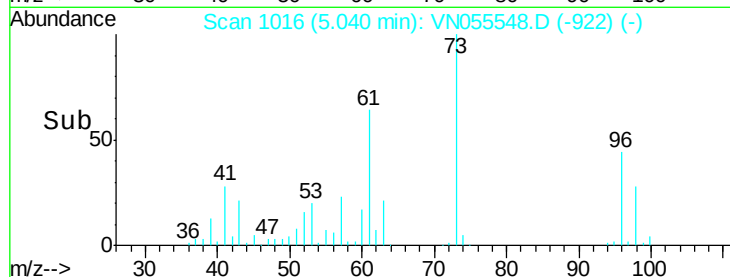
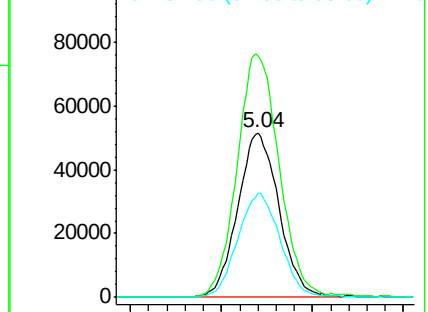


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.592 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Tgt Ion: 45 Resp: 618514

Ion Ratio Lower Upper

45 100

43 58.2 44.6 66.8

87 23.9 18.6 28.0

59 10.4 8.6 12.8

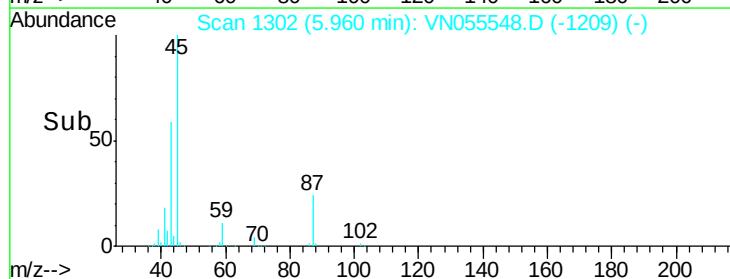
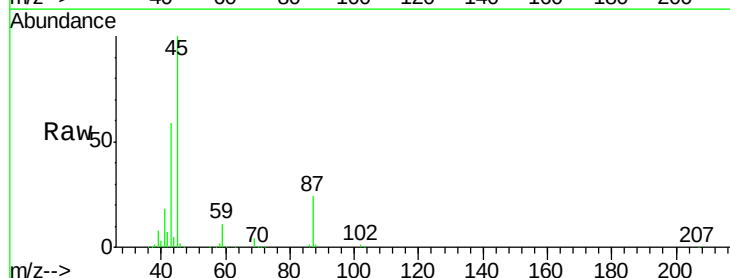
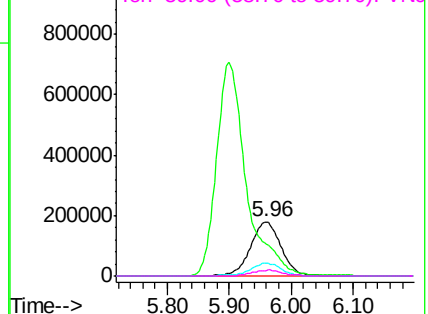
Abundance

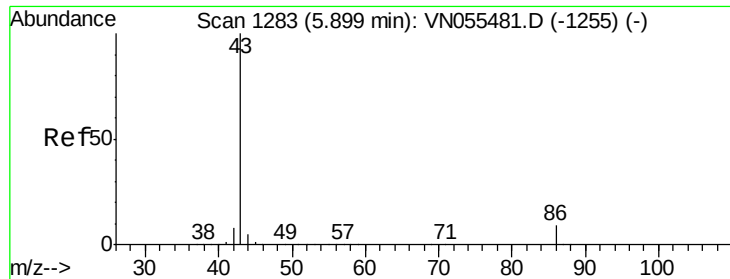
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





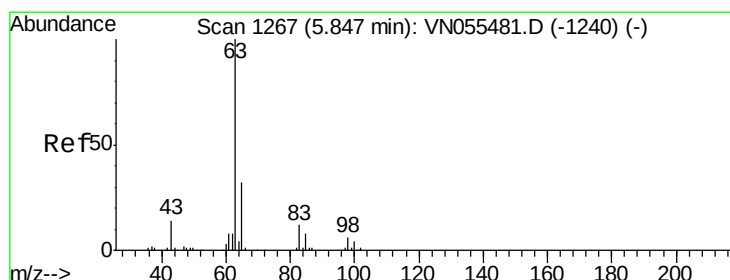
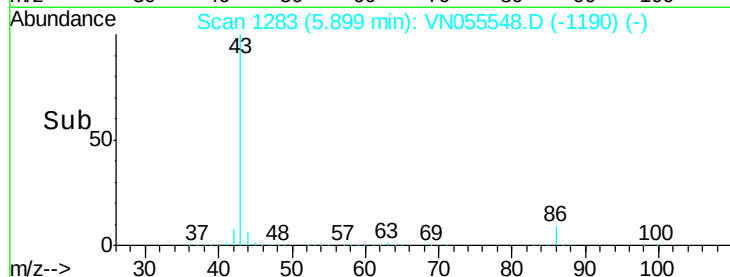
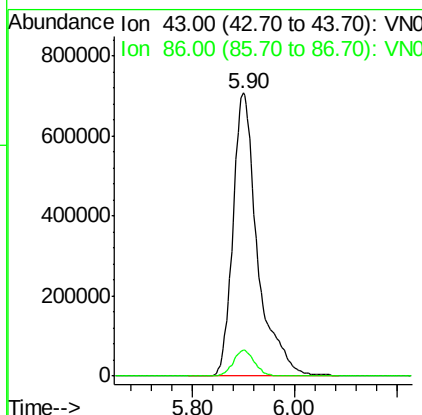
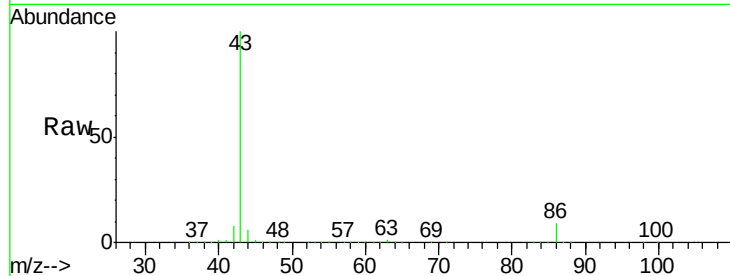
#23
 Vinyl Acetate
 Concen: 97.118 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN055548.D
 Acq: 10 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBSD02

Tot Ion: 43 Resp: 2371158
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.1 10.7

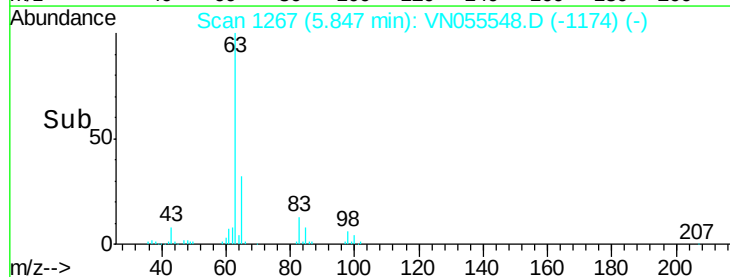
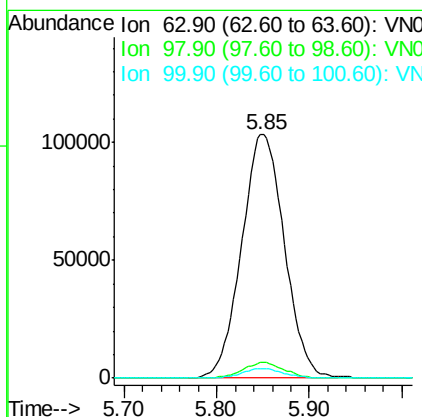
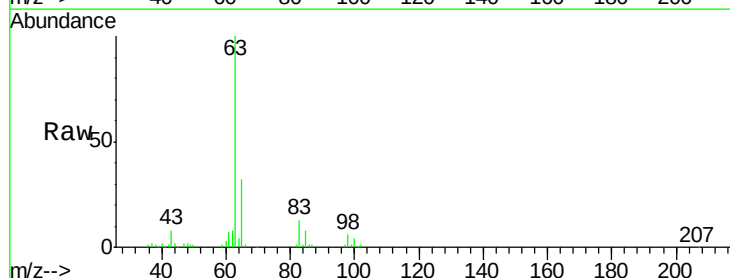
Manual Integrations
 APPROVED

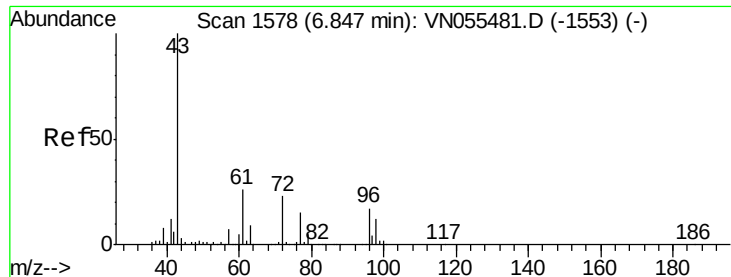
MMDadoda
 5/11/2019 1:16:54 PM



#24
 1,1-Dichloroethane
 Concen: 19.444 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN055548.D
 Acq: 10 May 2019 13:37

Tgt Ion: 63 Resp: 331374
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.0 9.0
 100 3.8 1.9 5.7





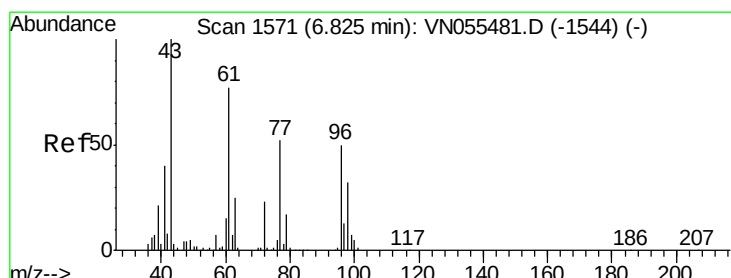
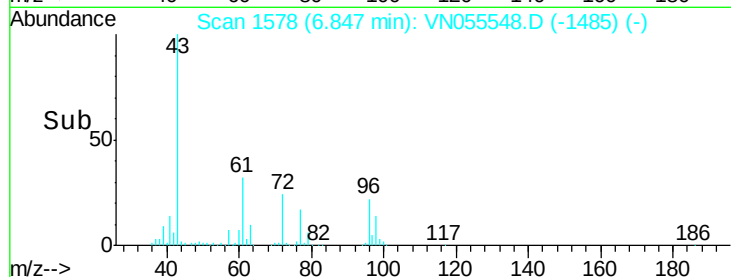
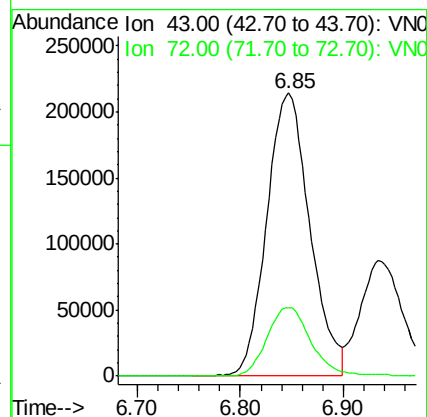
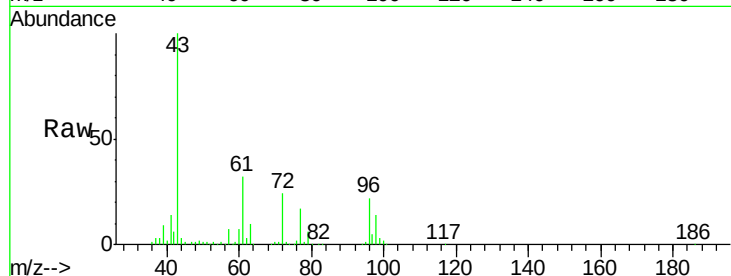
#25
2-Butanone
Concen: 92.558 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBSD02

Tot Ion: 43 Resp: 618542
Ion Ratio Lower Upper
43 100
72 24.4 18.6 27.8

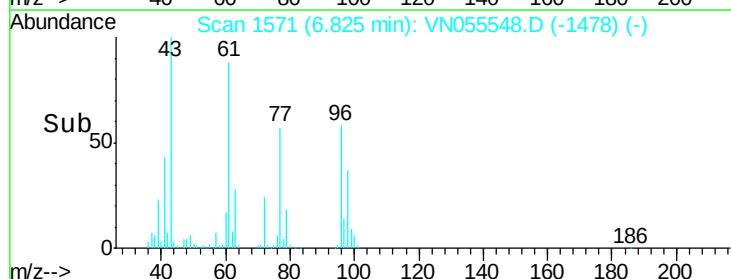
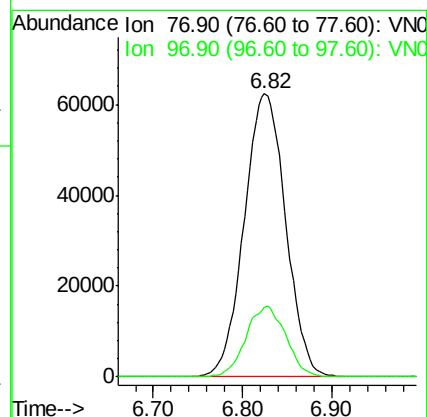
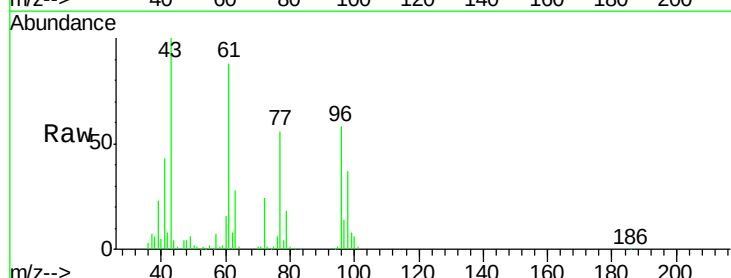
Manual Integrations
APPROVED

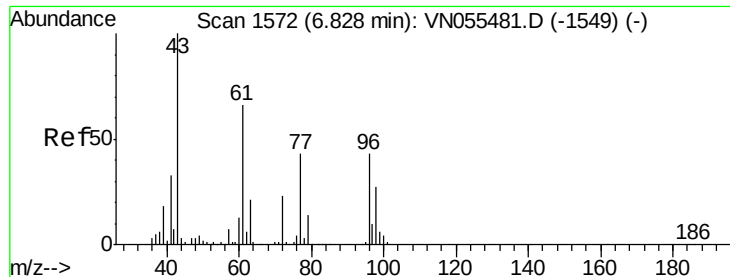
MMDadoda
5/11/2019 1:16:54 PM



#26
2,2-Dichloropropane
Concen: 18.930 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Tgt Ion: 77 Resp: 201115
Ion Ratio Lower Upper
77 100
97 24.1 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 20.508 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_N

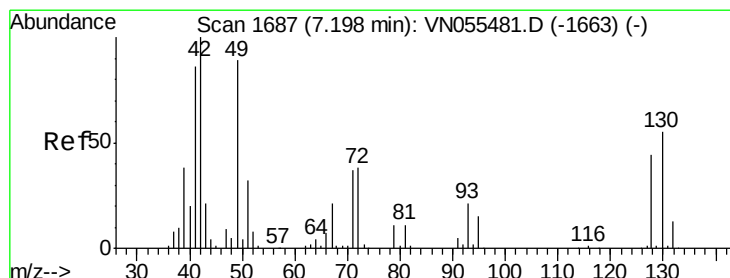
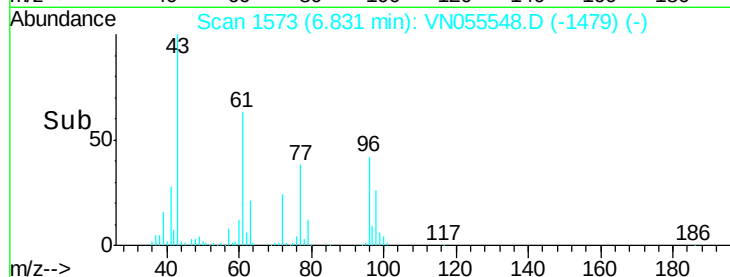
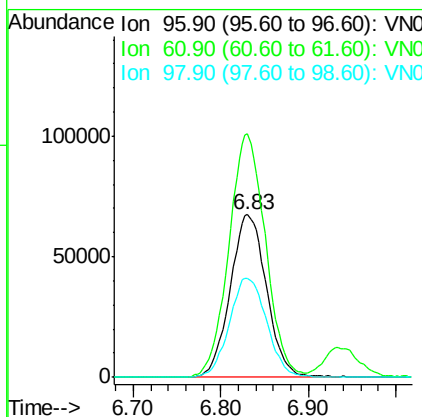
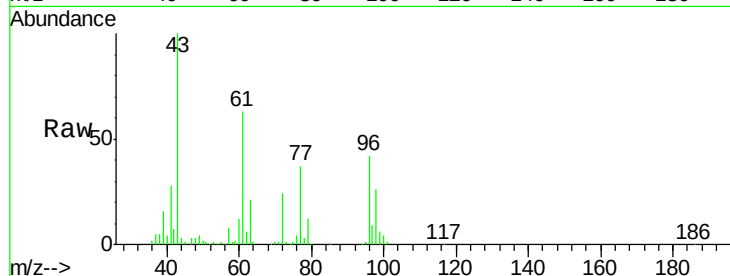
ClientSampleID :

VN0510WBSD02

Tot Ion:	96	Resp:	194886
Ion	Ratio	Lower	Upper
96	100		
61	150.1	0.0	310.8
98	62.7	0.0	129.4

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#28

Bromochloromethane

Concen: 21.935 ug/l

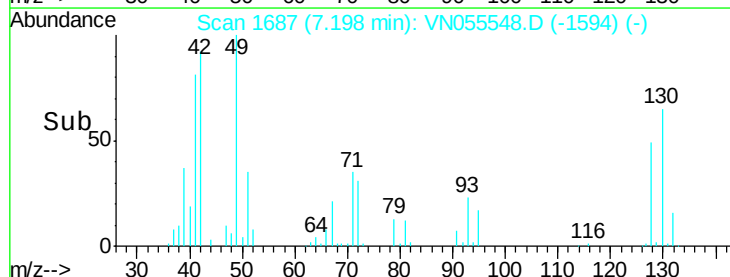
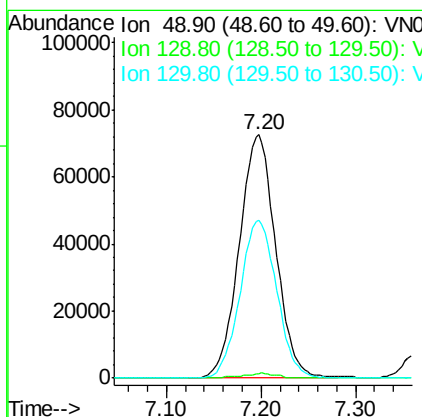
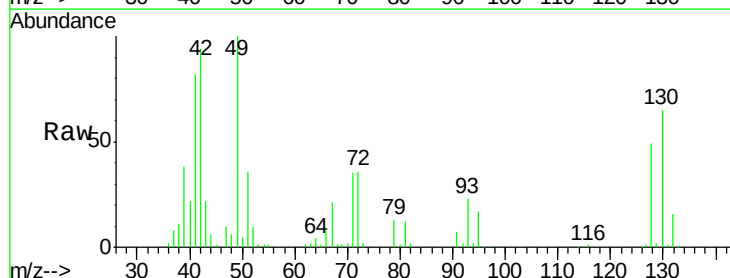
RT: 7.20 min Scan# 1687

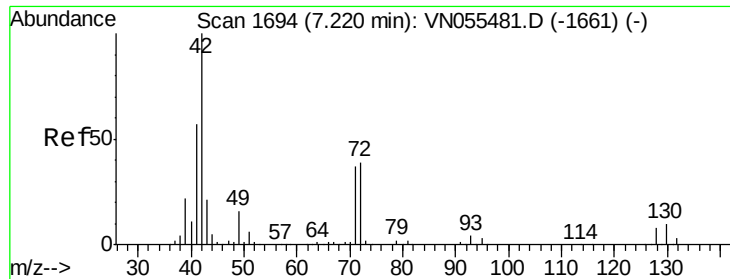
Delta R.T. -0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Tgt Ion:	49	Resp:	194137
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	65.3	49.5	74.3





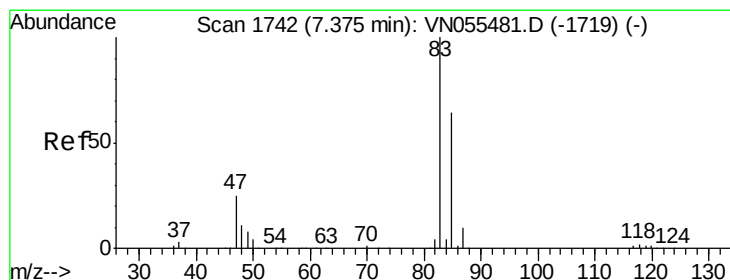
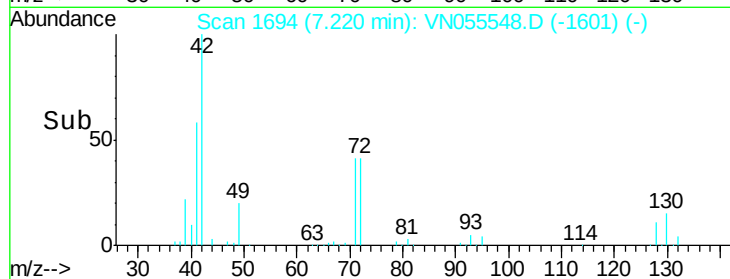
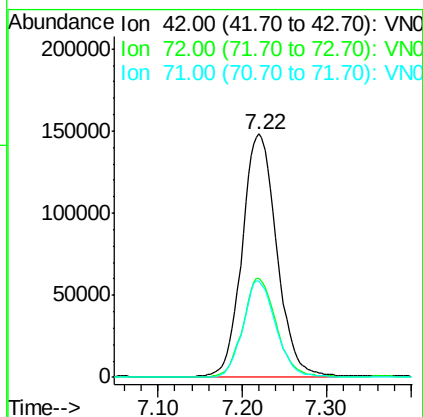
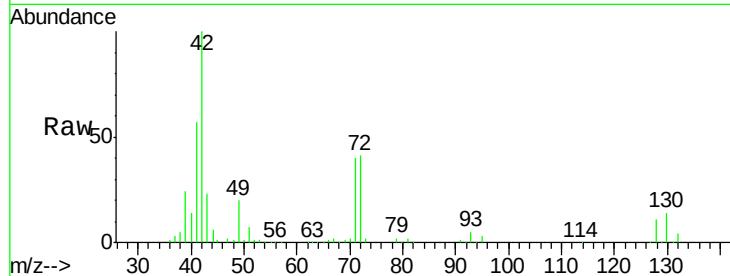
#29
Tetrahydrofuran
Concen: 95.267 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	31.0	46.6
71	38.0	29.4	44.2

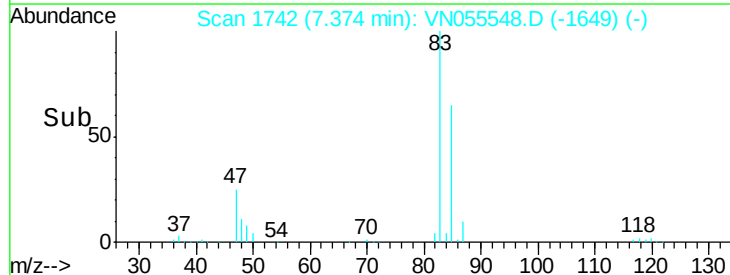
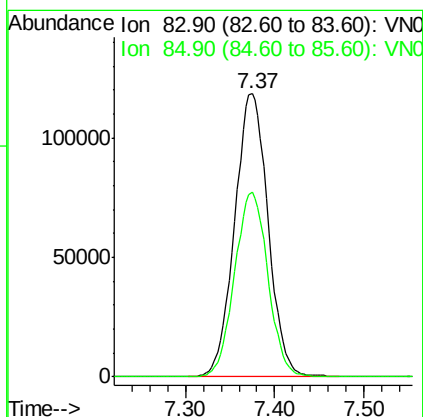
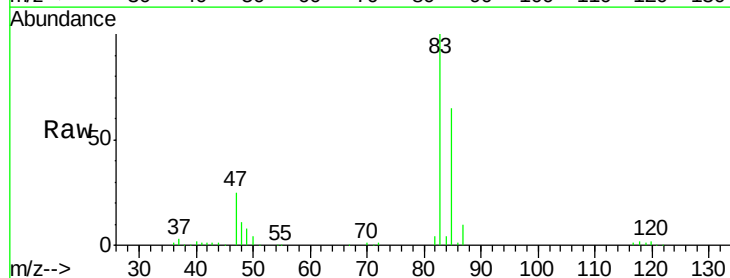
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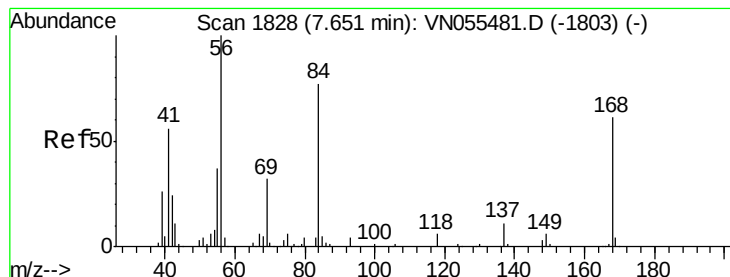
MMDadoda
5/11/2019 1:16:54 PM



#30
Chloroform
Concen: 19.606 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.3	76.9





#31

Cyclohexane

Concen: 18.214 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_N

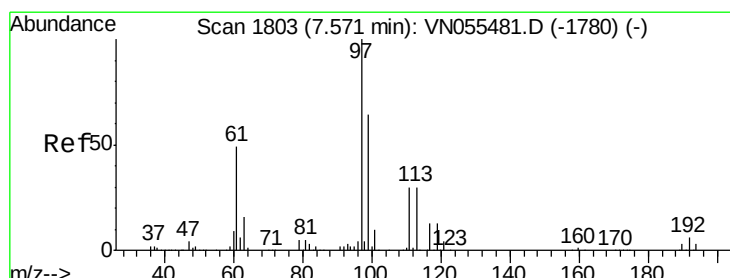
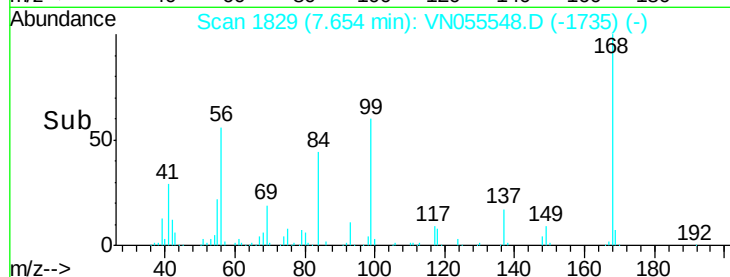
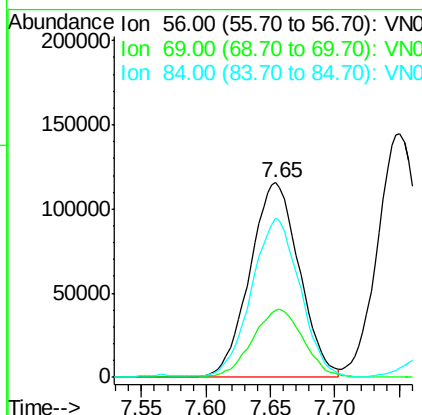
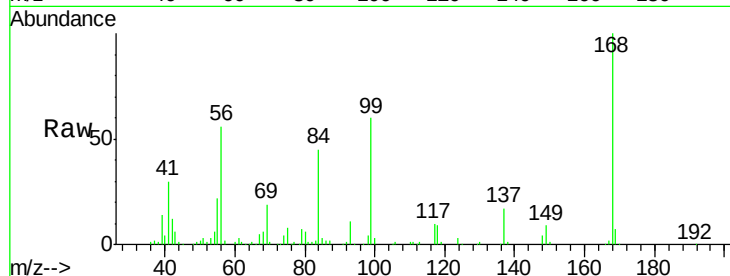
ClientSampleId :

VN0510WBSD02

Tot Ion:	56	Resp:	307116
Ion Ratio	Lower	Upper	
56	100		
69	34.6	26.0	39.0
84	80.7	61.9	92.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.117 ug/l

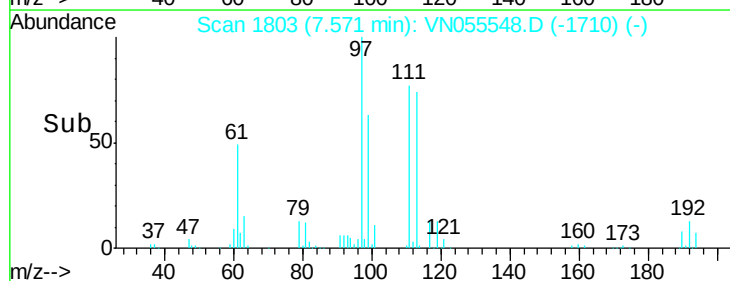
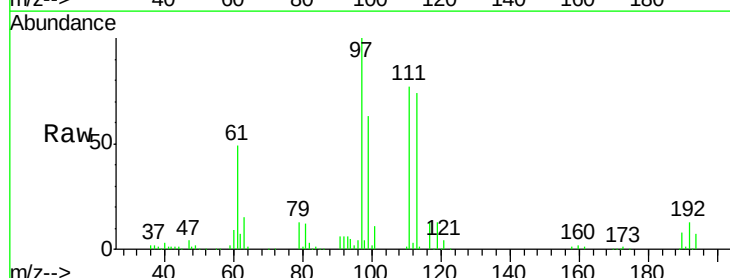
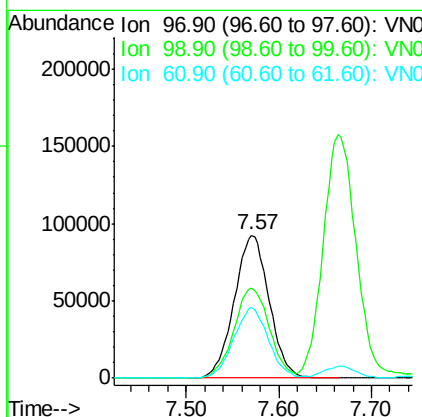
RT: 7.57 min Scan# 1803

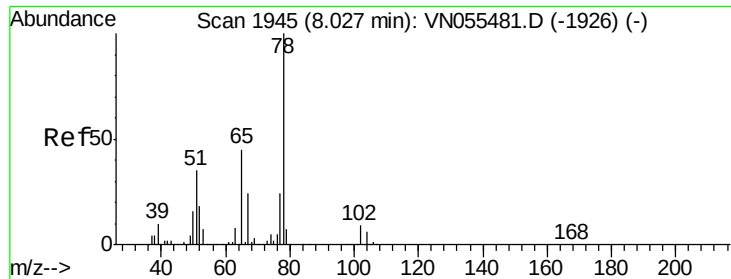
Delta R.T. -0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Tgt Ion:	97	Resp:	241353
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.2	76.8
61	48.9	39.2	58.8





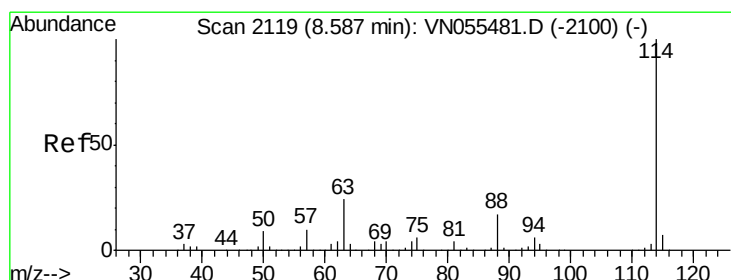
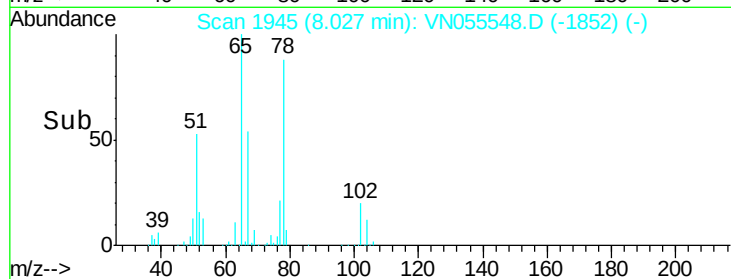
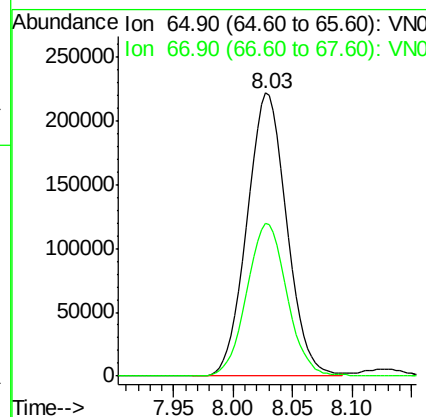
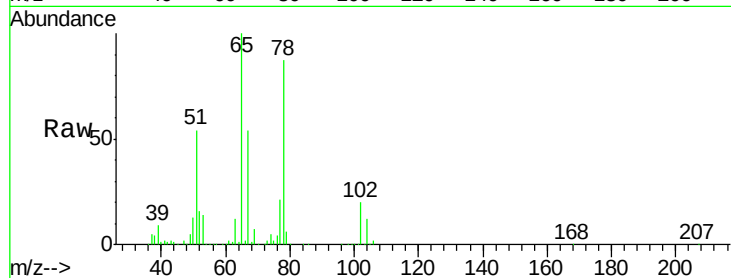
#33
 1,2-Dichloroethane-d4
 Concen: 49.231 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055548.D
 Acq: 10 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBSD02

Tot Ion: 65 Resp: 514372
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.6

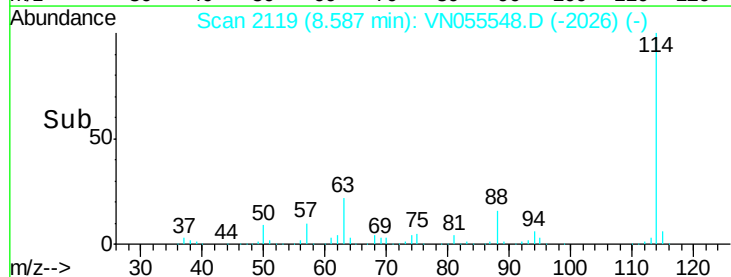
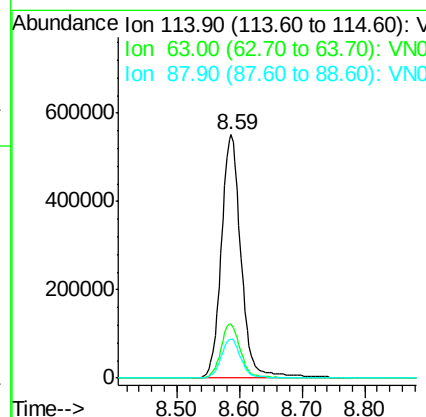
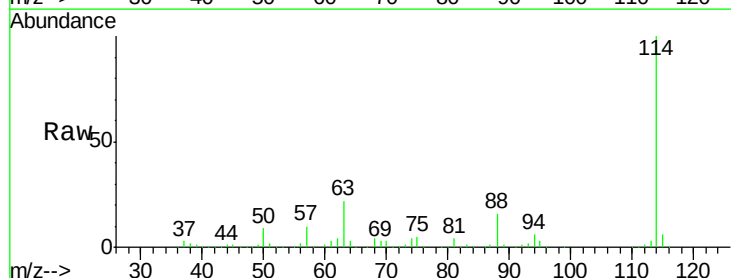
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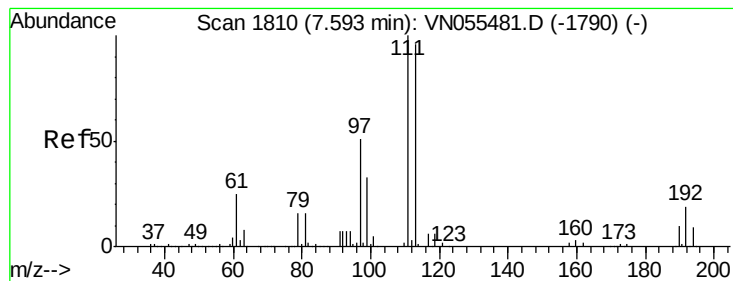
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055548.D
 Acq: 10 May 2019 13:37

Tgt Ion: 114 Resp: 1209451
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 47.4
 88 16.2 0.0 34.0





#35

Dibromofluoromethane

Concen: 51.511 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_N

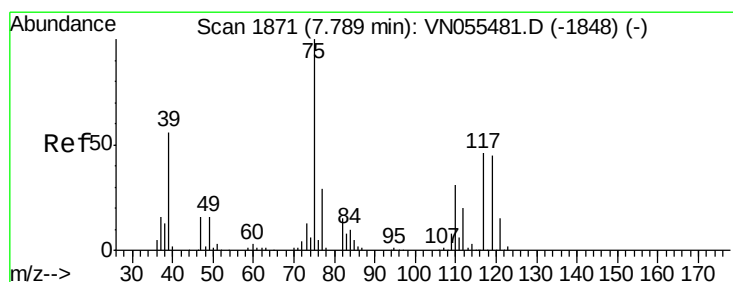
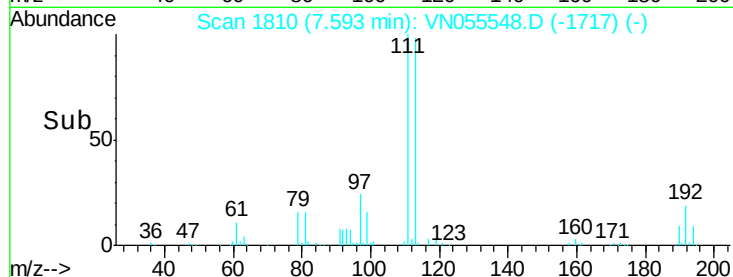
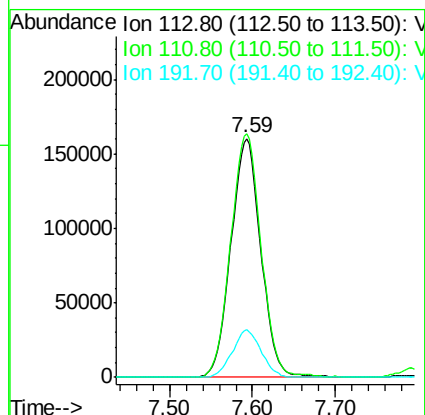
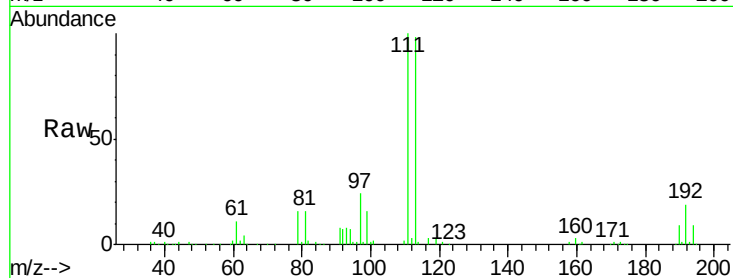
ClientSampleId :

VN0510WBSD02

Tot Ion:	113	Resp:	401884
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.9	124.3
192	19.3	15.6	23.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.095 ug/l

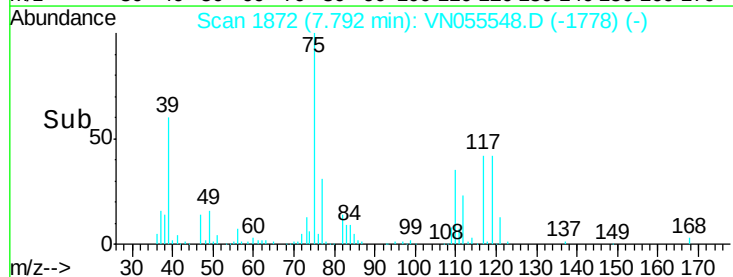
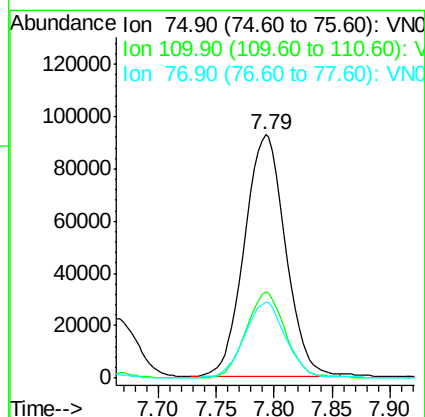
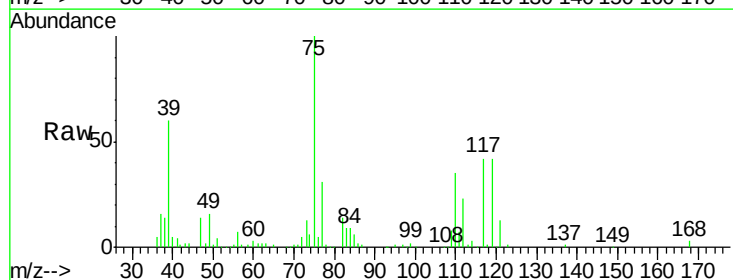
RT: 7.79 min Scan# 1872

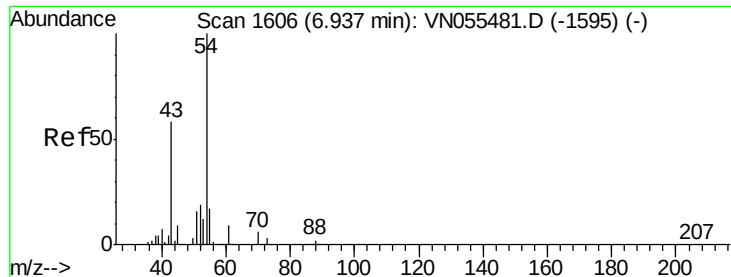
Delta R.T. 0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Tgt Ion:	75	Resp:	227523
Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.1	48.3
77	31.3	24.6	37.0





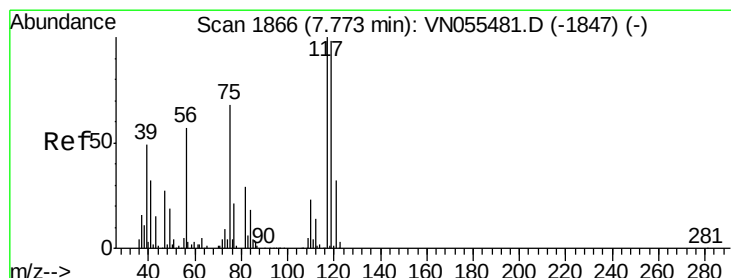
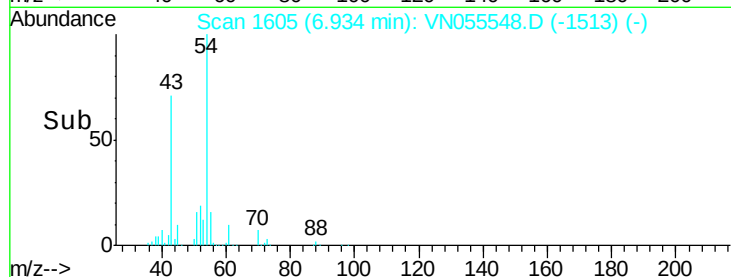
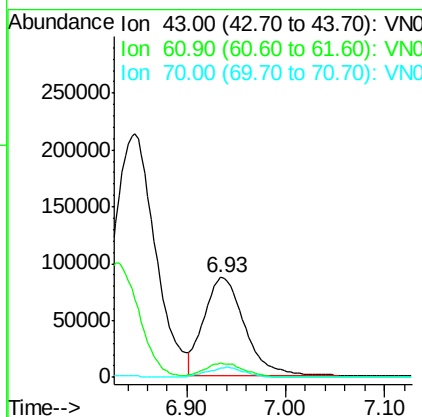
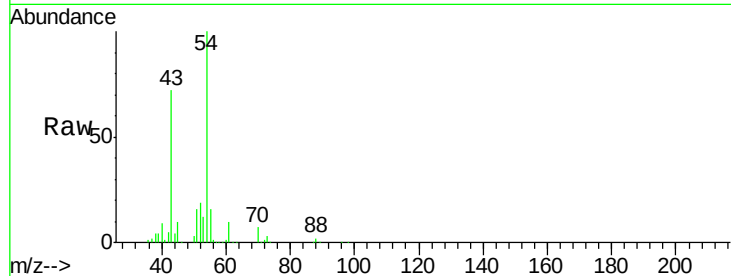
#37
Ethyl Acetate
Concen: 19.292 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
43	100	250750		
61	13.3		10.9	16.3
70	8.7		7.0	10.6

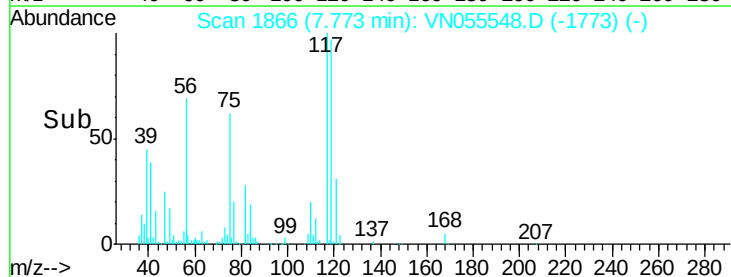
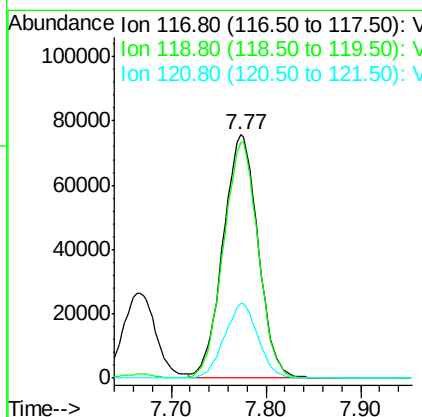
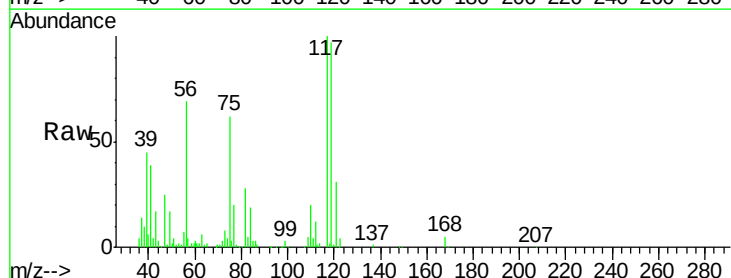
Manual Integrations
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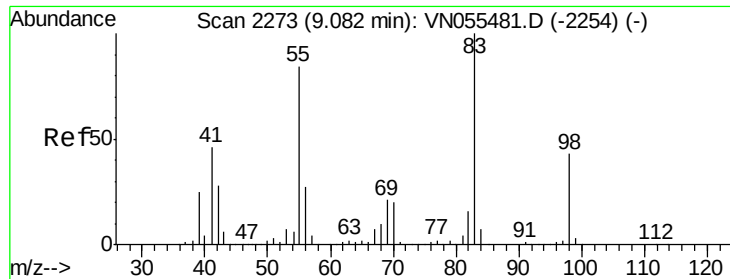
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.418 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	194824		
119	97.0		77.8	116.6
121	30.7		25.2	37.8





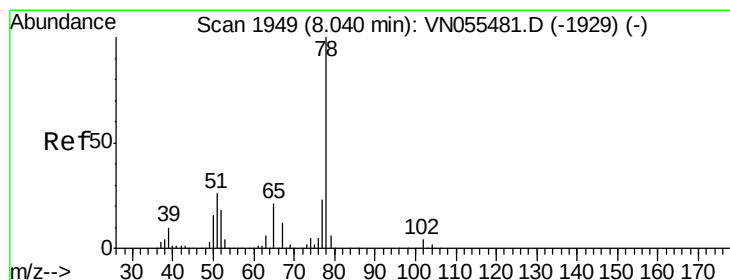
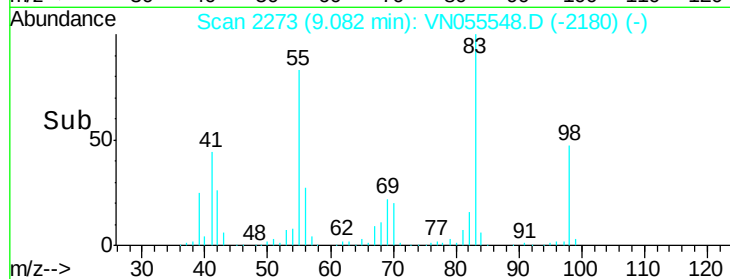
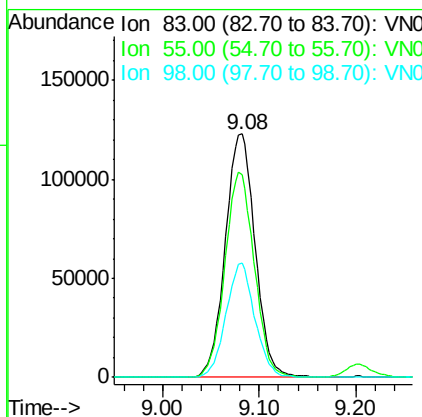
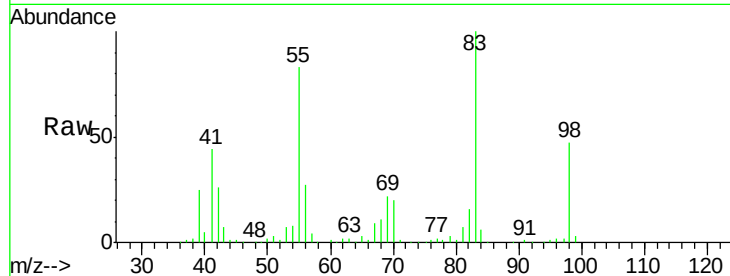
#39
Methylvlcyclohexane
Concen: 18.148 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	263651		
55	83.2	67.0	100.4	
98	46.9	34.2	51.4	

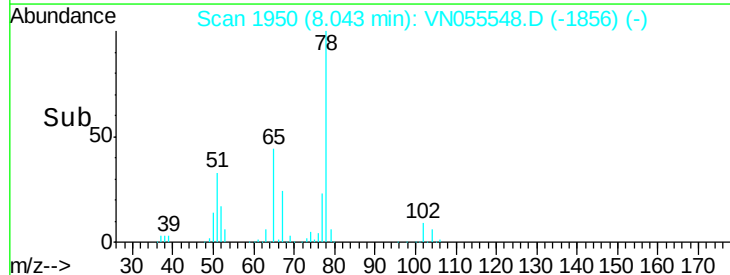
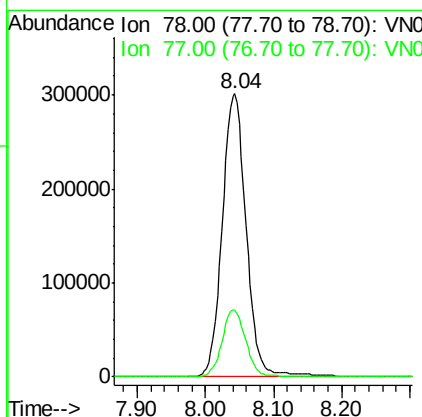
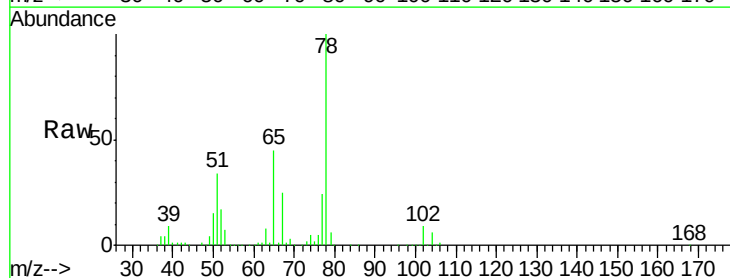
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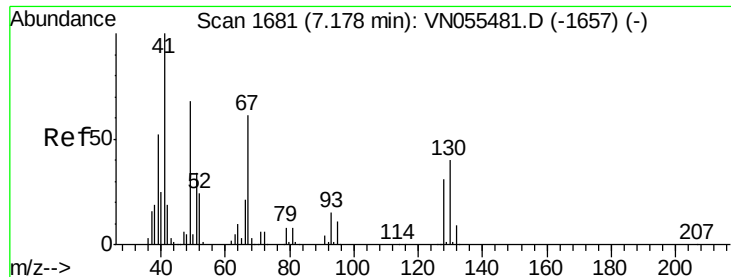
MMDadoda
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#40
Benzene
Concen: 19.879 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	735129		
77	23.5	18.6	27.8	





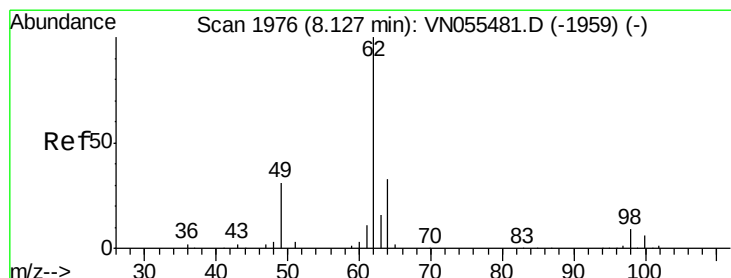
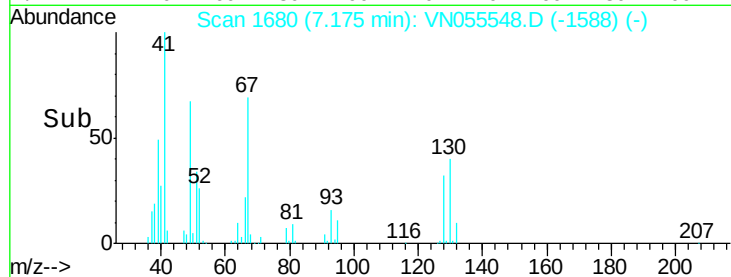
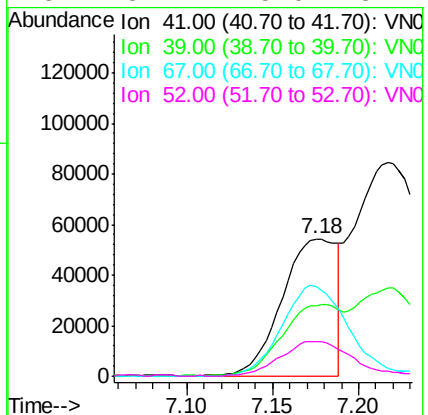
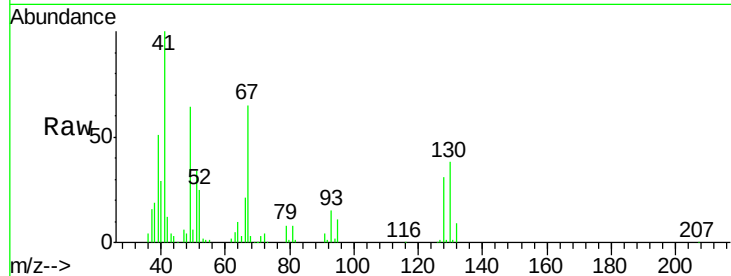
#41
Methacrylonitrile
Concen: 19.874 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBSD02

Tot Ion	41	Resp	119895
Ion Ratio	Lower	Upper	
41	100		
39	55.6	44.7	67.1
67	81.7	61.4	92.0
52	32.7	25.0	37.4

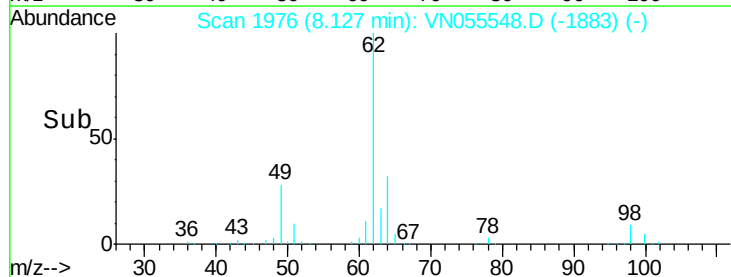
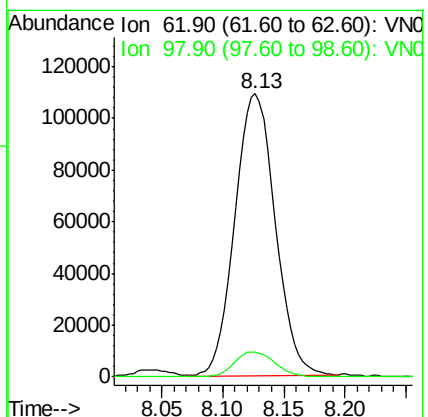
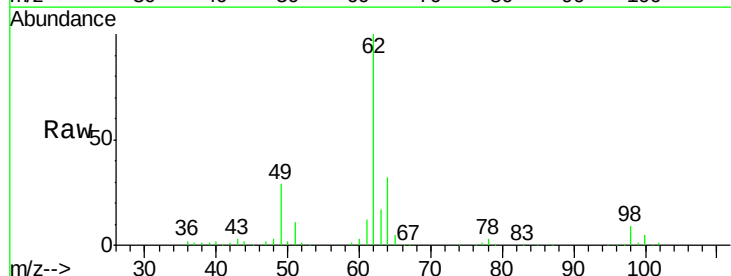
Manual Integrations
APPROVED

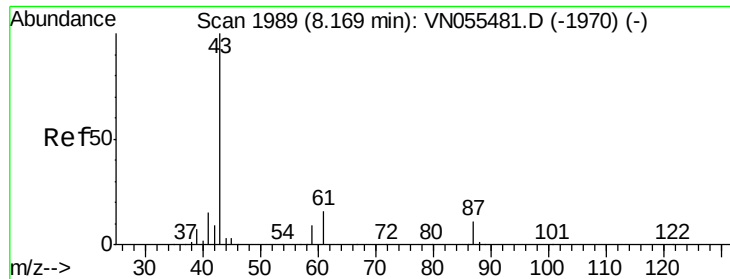
MMDadoda
5/11/2019 1:16:54 PM



#42
1,2-Dichloroethane
Concen: 19.311 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Tgt Ion	62	Resp	250895
Ion Ratio	Lower	Upper	
62	100		
98	8.8	0.0	17.4





#43

Isopropyl Acetate

Concen: 19.020 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_N

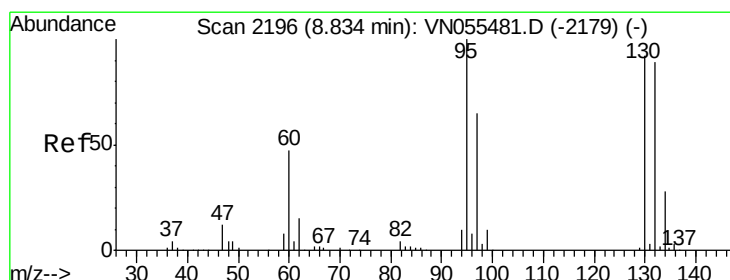
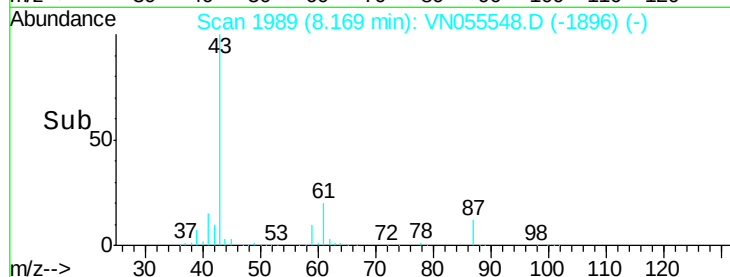
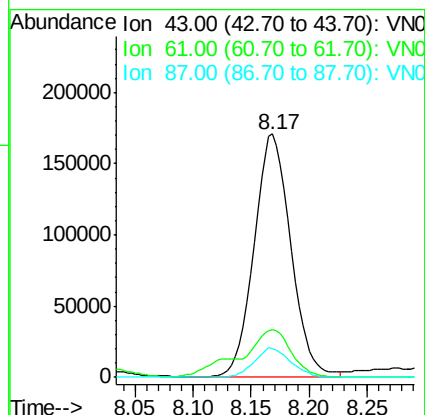
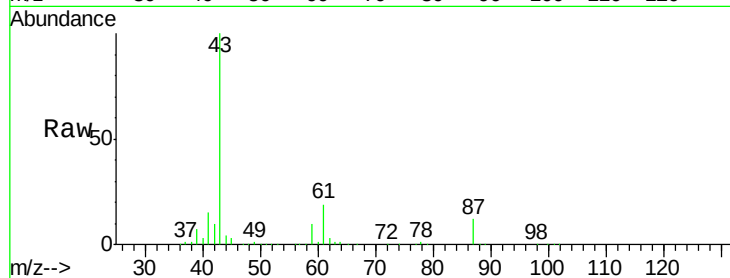
ClientSampleId :

VN0510WBSD02

Tot Ion:	43	Resp:	375575
Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.1	22.7
87	12.1	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 19.863 ug/l

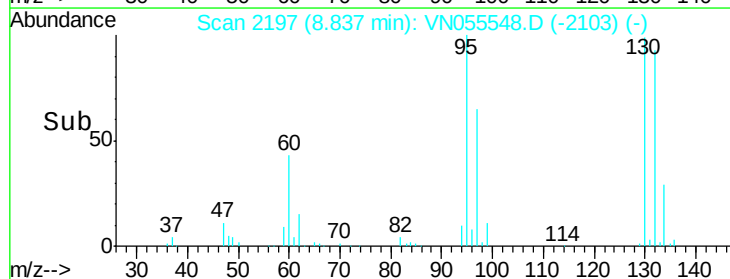
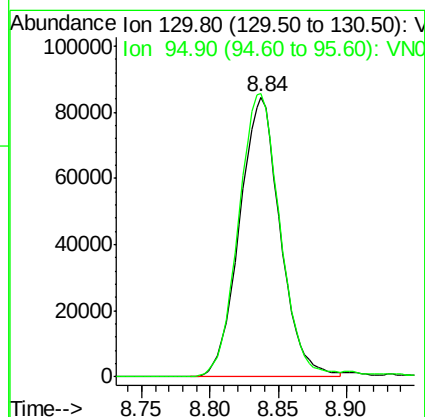
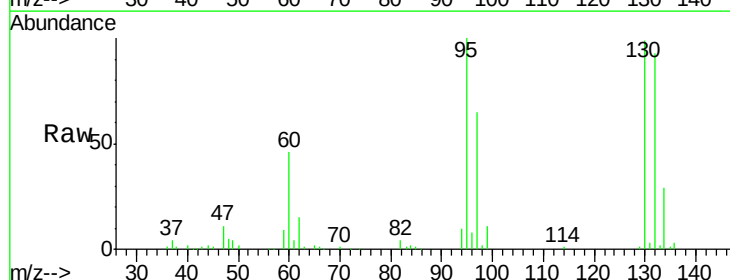
RT: 8.84 min Scan# 2197

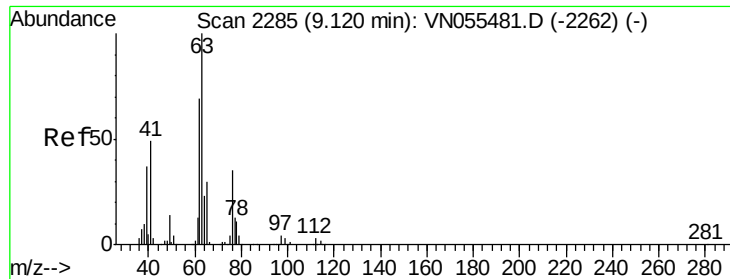
Delta R.T. 0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Tgt Ion:	130	Resp:	174774
Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	216.8





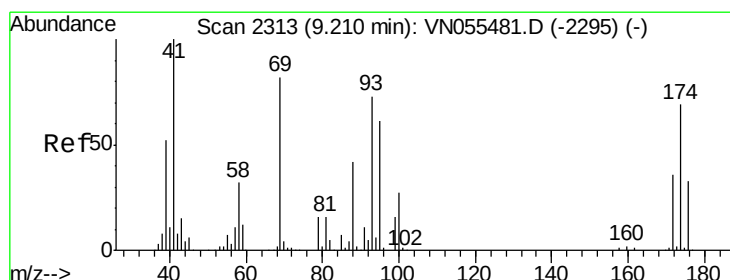
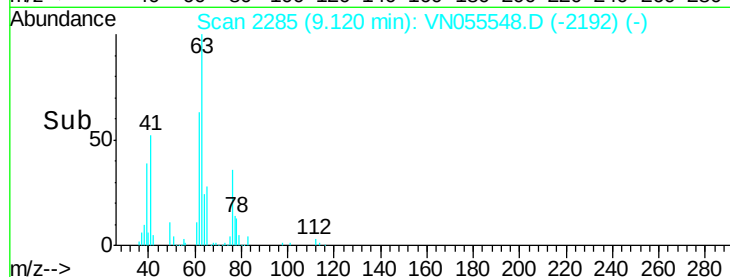
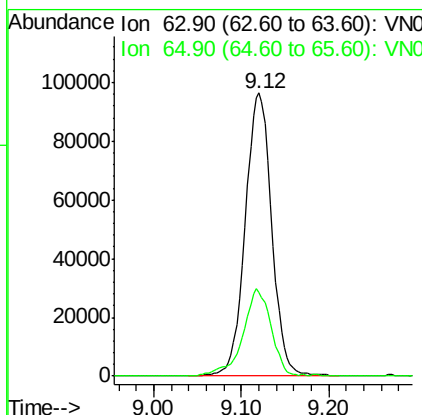
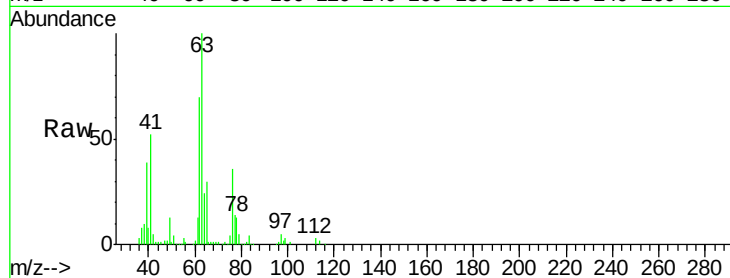
#45
 1,2-Dichloropropane
 Concen: 19.110 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN055548.D
 Acq: 10 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.1	36.1

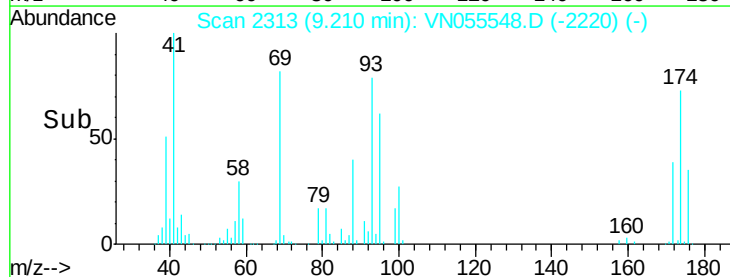
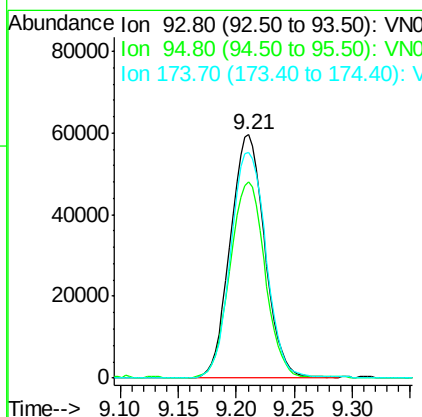
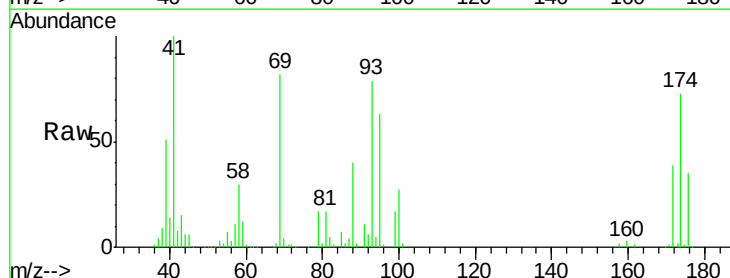
Manual Integrations
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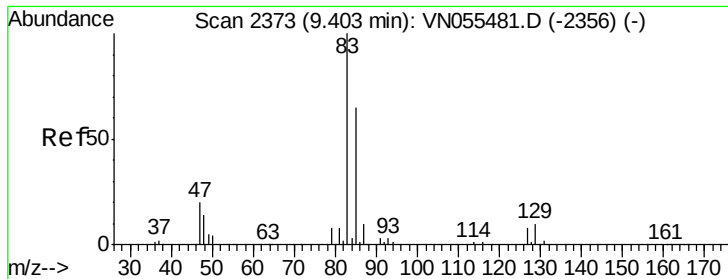
MMDadoda
 5/11/2019 1:16:54 PM



#46
 Dibromomethane
 Concen: 20.001 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN055548.D
 Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	64.8	97.2
174	95.0	75.0	112.6





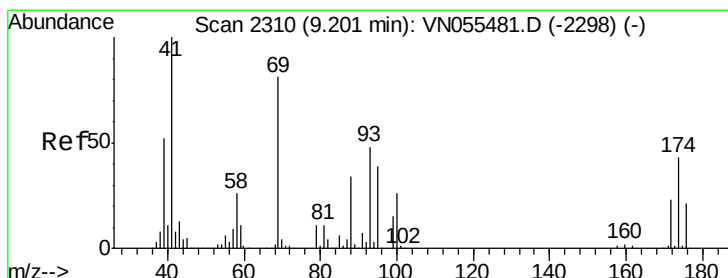
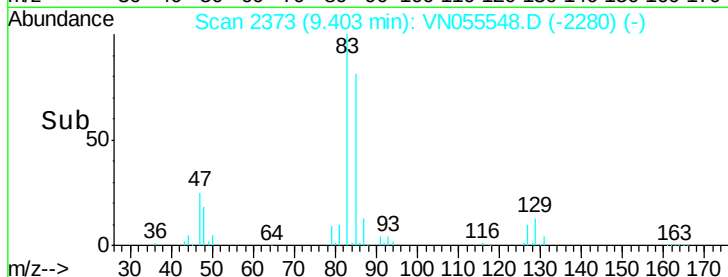
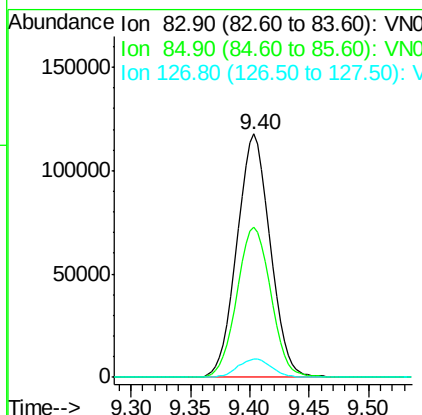
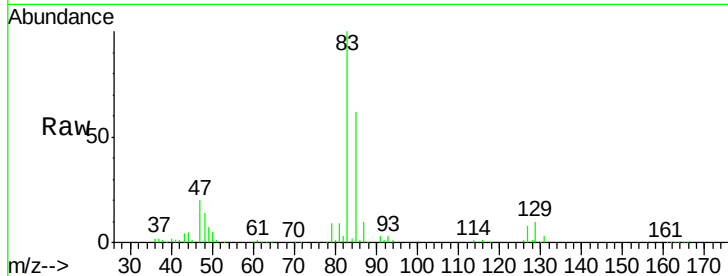
#47
Bromodichloromethane
Concen: 19.507 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBSD02

Tot Ion	83	Resp	228871
Ion Ratio	100	Lower	Upper
83	100		
85	61.9	52.2	78.2
127	7.6	6.5	9.7

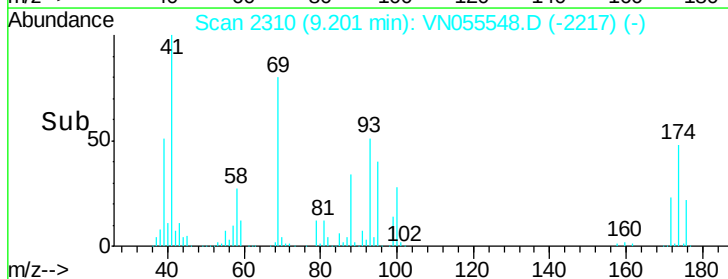
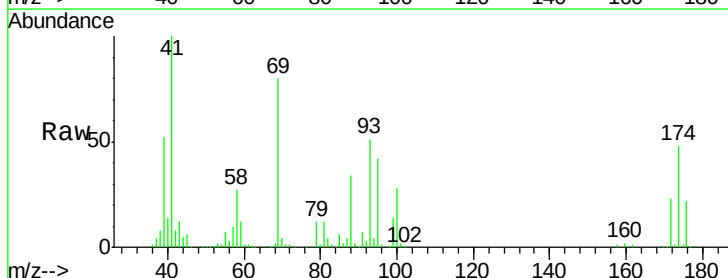
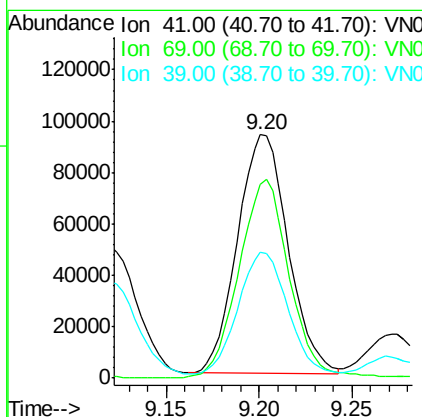
Manual Integrations
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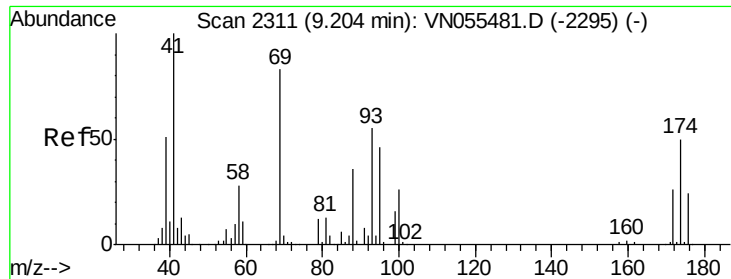
MMDadoda
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#48
Methyl methacrylate
Concen: 18.614 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Tgt Ion	41	Resp	177097
Ion Ratio	100	Lower	Upper
41	100		
69	83.4	64.2	96.2
39	52.9	41.6	62.4





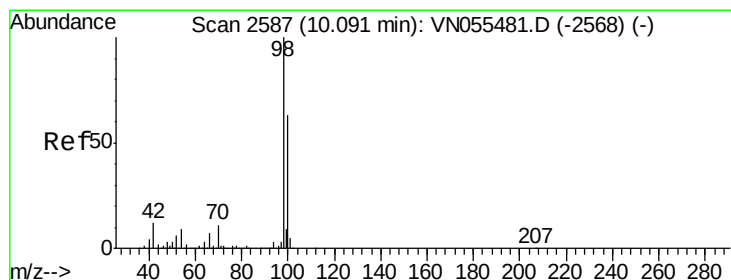
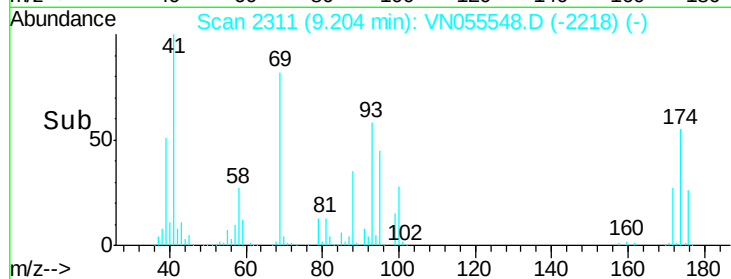
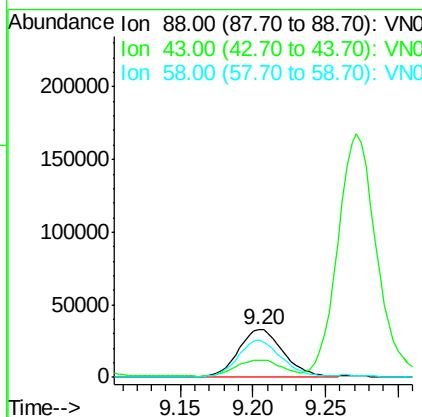
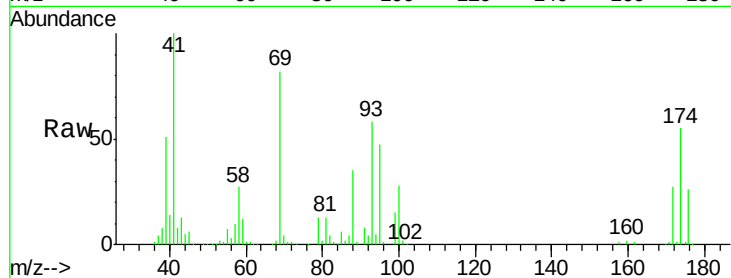
#49
1,4-Dioxane
Concen: 385.926 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBSD02

Tot Ion	88	Resp	71562
Ion	Ratio	Lower	Upper
88	100		
43	34.6	27.8	41.8
58	75.3	61.8	92.6

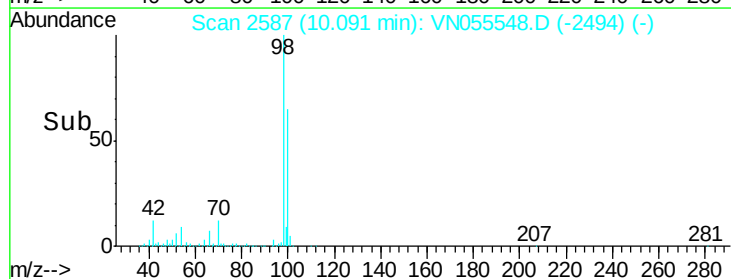
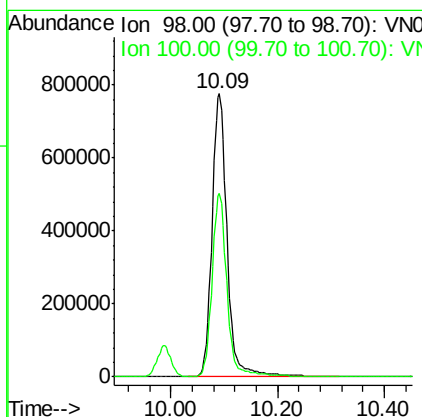
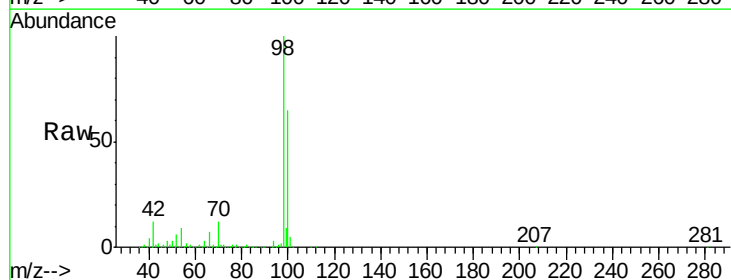
Manual Integrations
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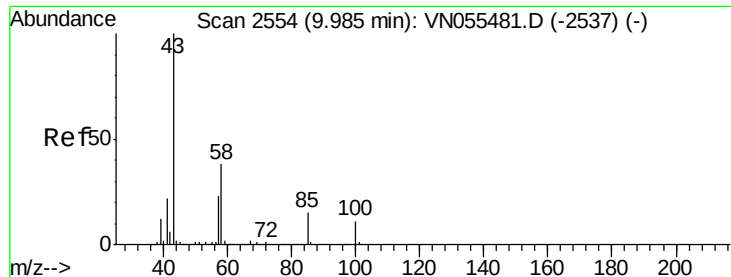
MMDadoda
5/11/2019 1:16:54 PM



#50
Toluene-d8
Concen: 50.299 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Tgt Ion	98	Resp	1529253
Ion	Ratio	Lower	Upper
98	100		
100	64.5	50.4	75.6





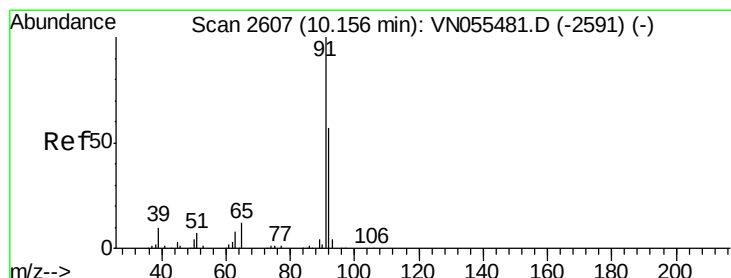
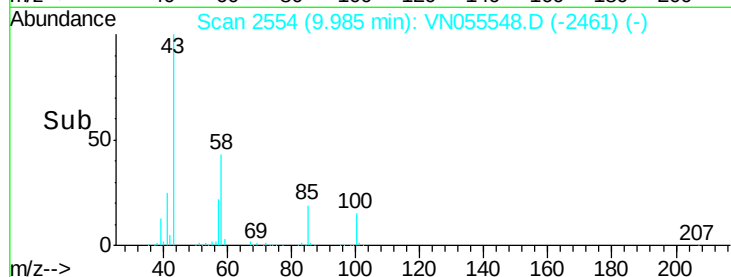
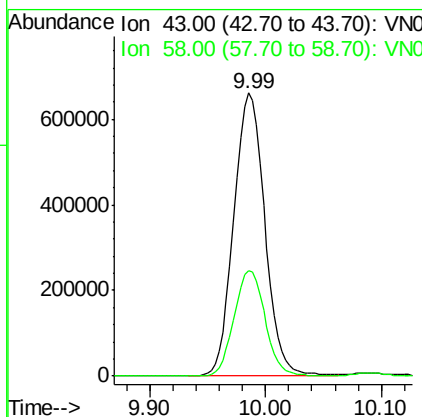
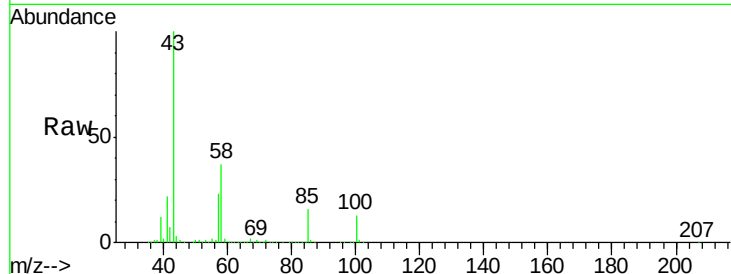
#51
 4-Methyl-2-Pentanone
 Concen: 94.643 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN055548.D
 Acq: 10 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBSD02

Tot Ion: 43 Resp: 1229113
 Ion Ratio Lower Upper
 43 100
 58 37.4 29.9 44.9

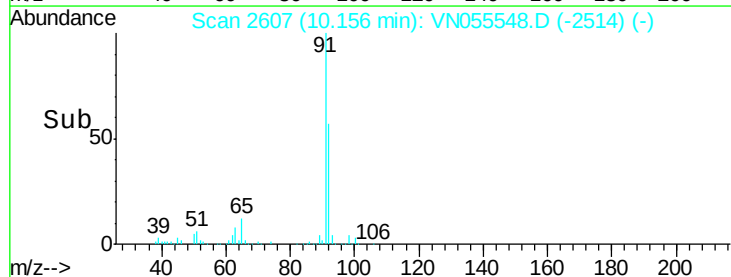
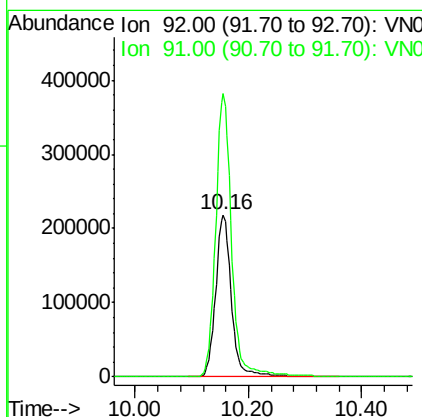
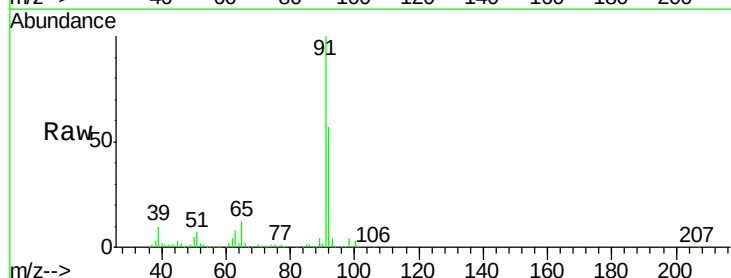
Manual Integrations
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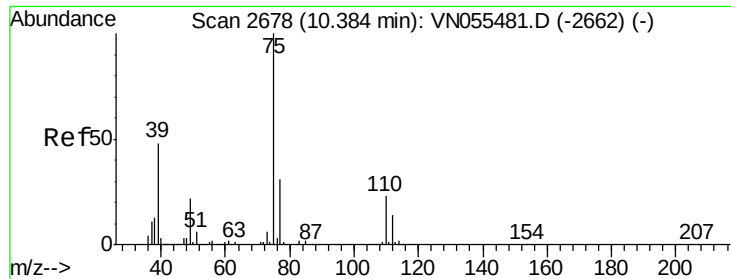
MMDadoda
 5/11/2019 1:16:54 PM



#52
 Toluene
 Concen: 20.018 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN055548.D
 Acq: 10 May 2019 13:37

Tgt Ion: 92 Resp: 423193
 Ion Ratio Lower Upper
 92 100
 91 175.3 140.5 210.7





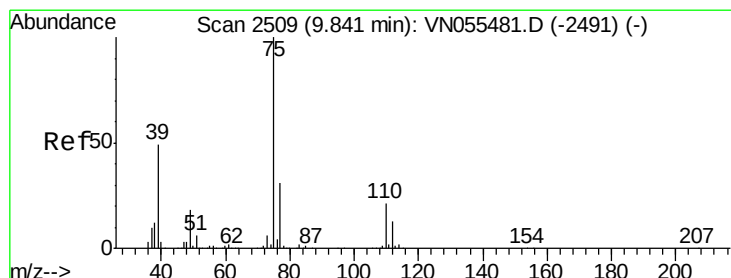
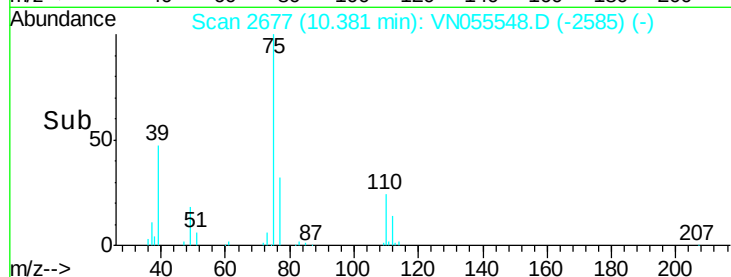
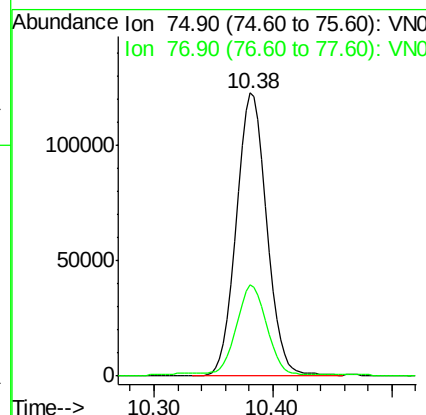
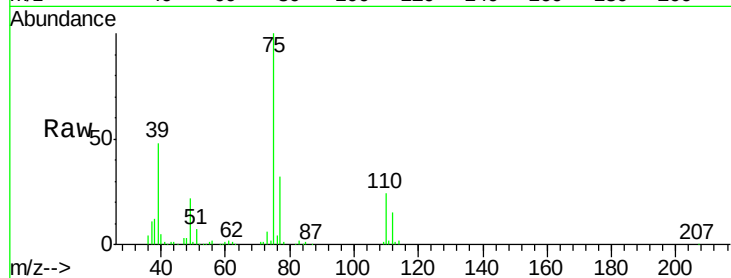
#53
t-1,3-Dichloropropene
Concen: 19.377 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.1	37.7

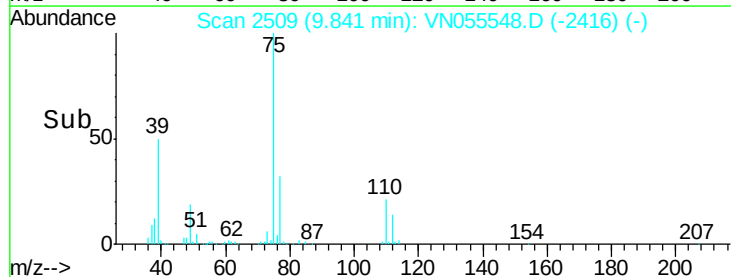
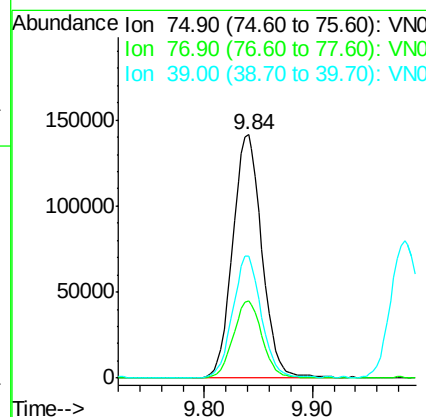
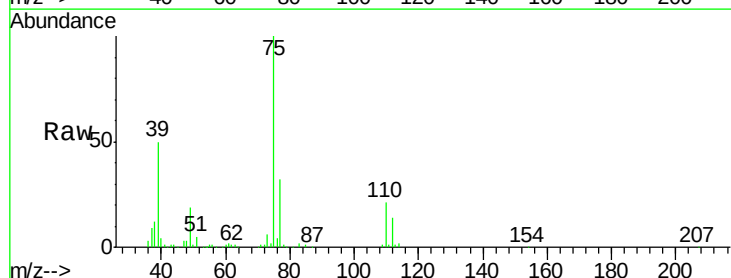
Manual Integrations
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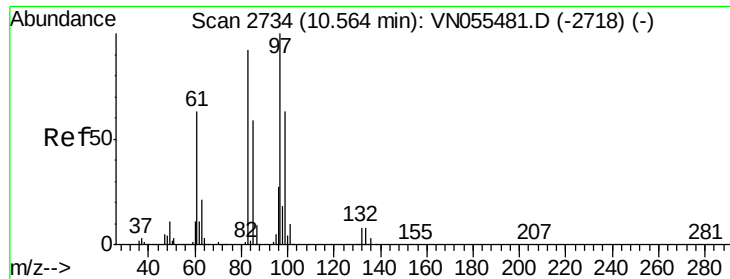
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#54
cis-1,3-Dichloropropene
Concen: 19.857 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.4	36.6
39	50.0	39.5	59.3





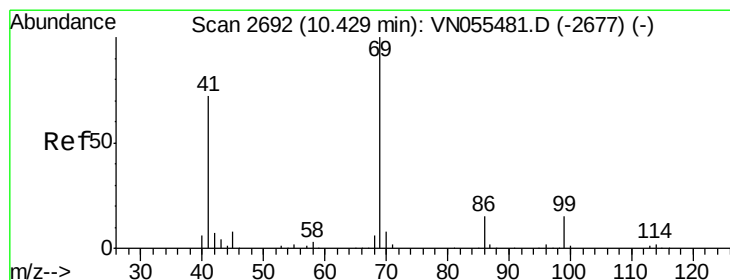
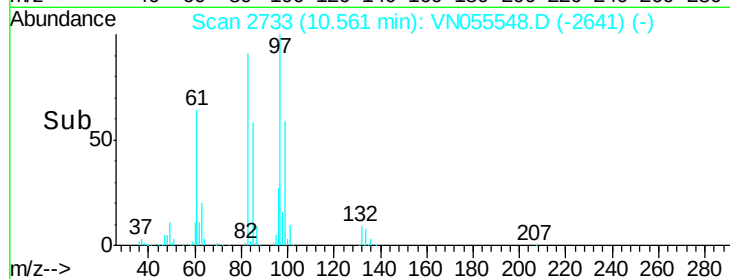
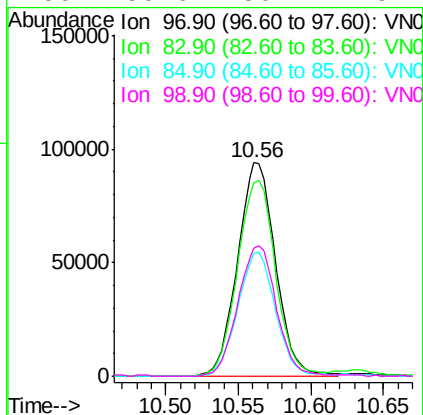
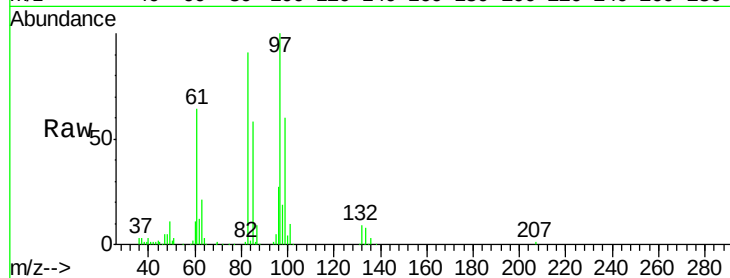
#55
 1,1,2-Trichloroethane
 Concen: 19.985 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055548.D
 Acq: 10 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		171186		
83	90.7	73.2	109.8		
85	57.8	47.5	71.3		
99	59.6	50.2	75.2		

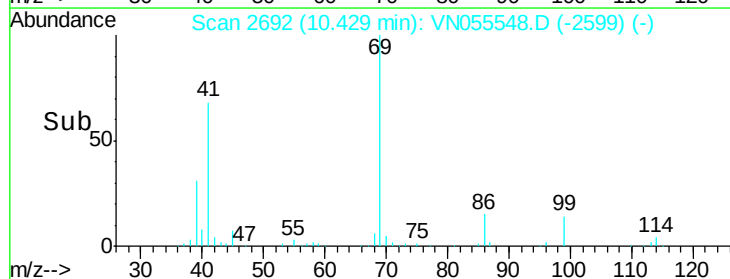
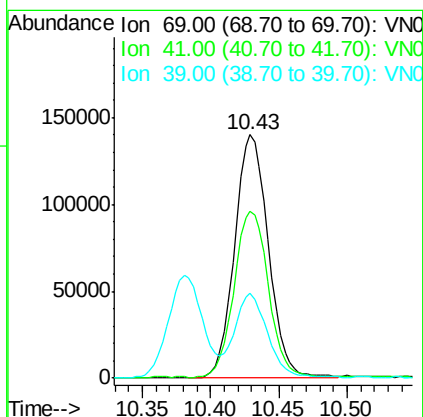
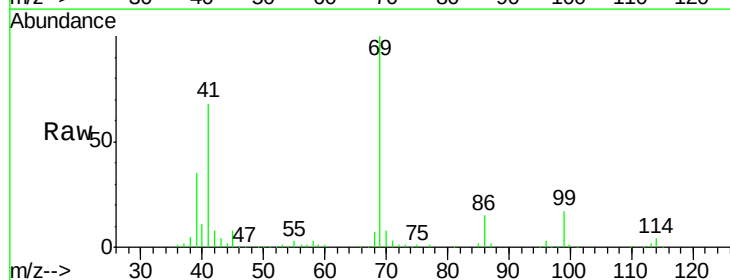
Manual Integrations
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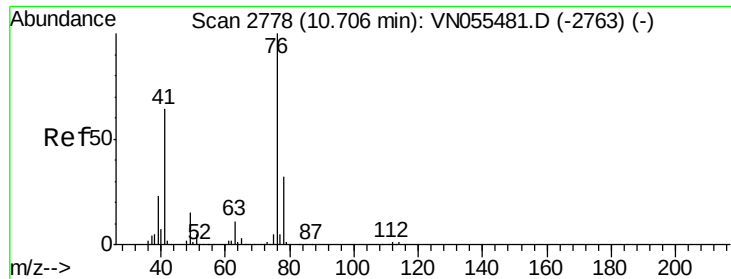
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#56
 Ethyl methacrylate
 Concen: 18.974 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055548.D
 Acq: 10 May 2019 13:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		241741		
41	68.9	56.2	84.2		
39	33.6	27.8	41.6		





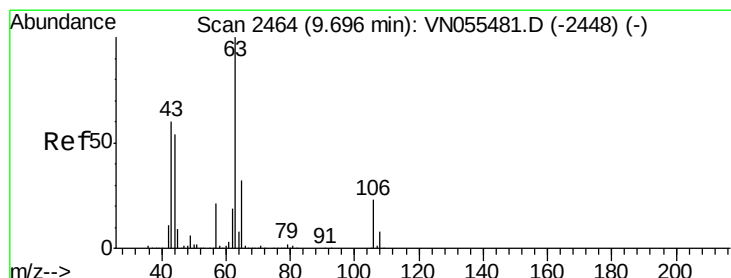
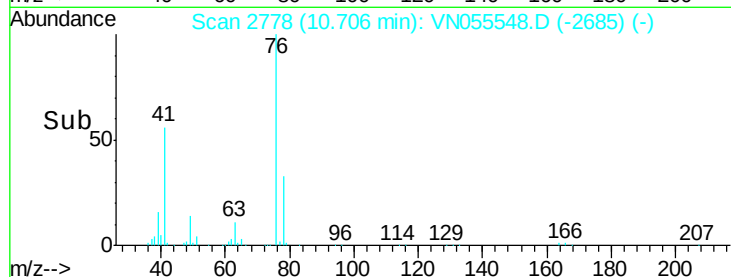
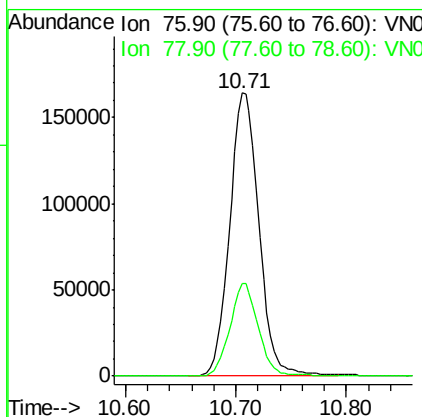
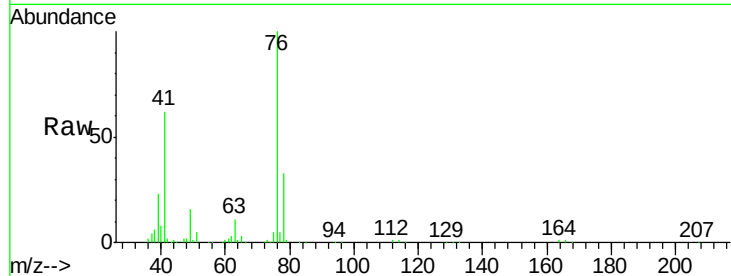
#57
 1,3-Dichloropropane
 Concen: 19.842 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN055548.D
 Acq: 10 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBSD02

Tot Ion: 76 Resp: 301736
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6

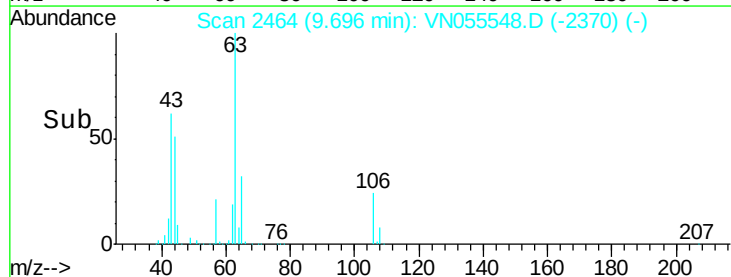
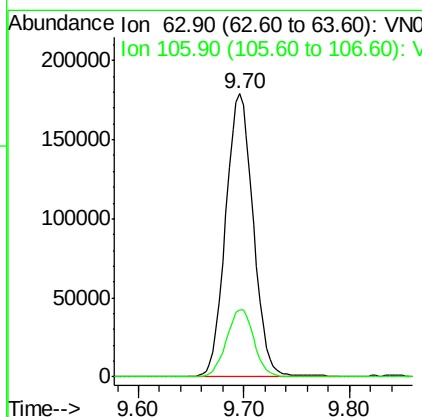
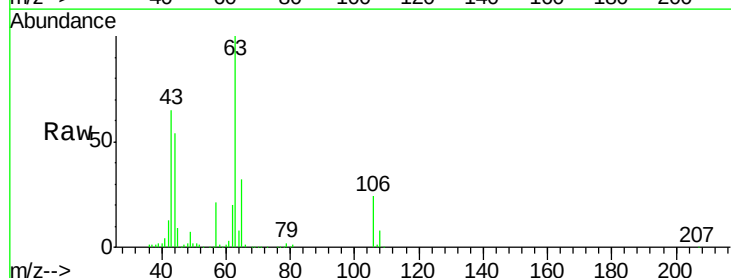
Manual Integrations
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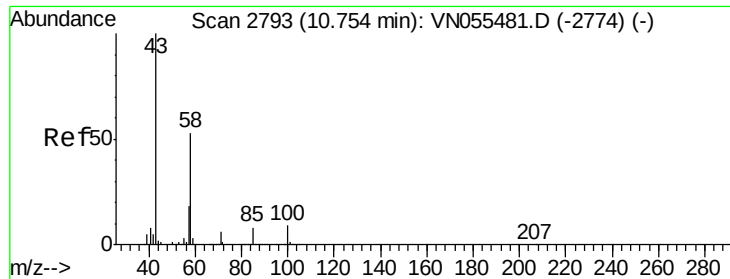
MMDadoda
 5/11/2019 1:16:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 84.170 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055548.D
 Acq: 10 May 2019 13:37

Tgt Ion: 63 Resp: 323535
 Ion Ratio Lower Upper
 63 100
 106 23.8 18.6 27.8





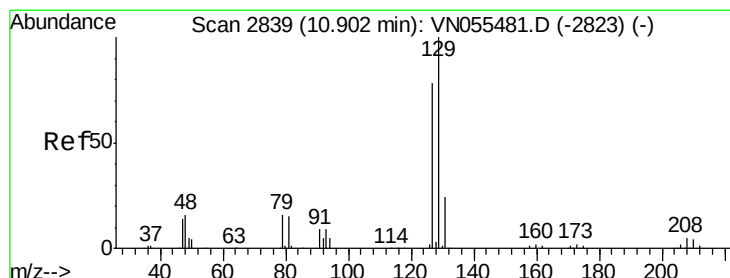
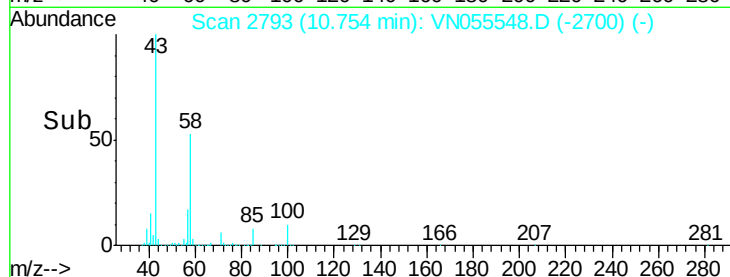
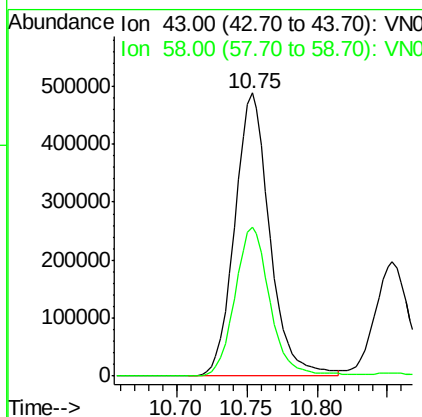
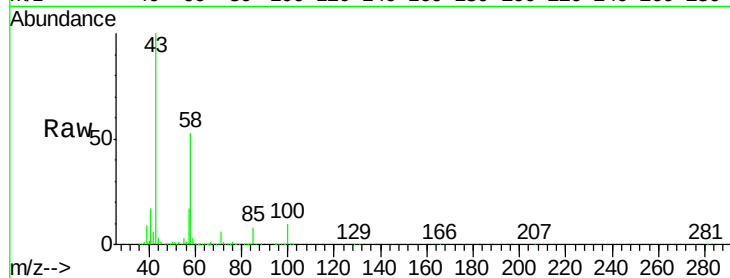
#59
2-Hexanone
Concen: 92.873 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBSD02

Tot Ion: 43 Resp: 845863
Ion Ratio Lower Upper
43 100
58 52.9 26.4 79.0

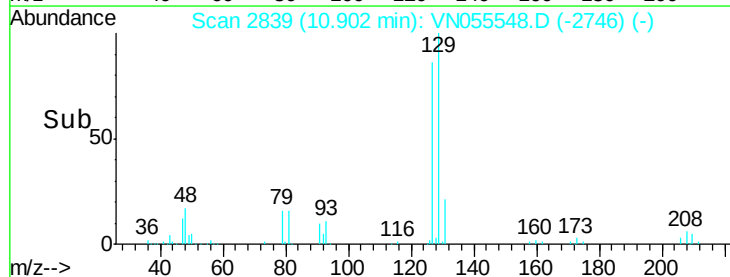
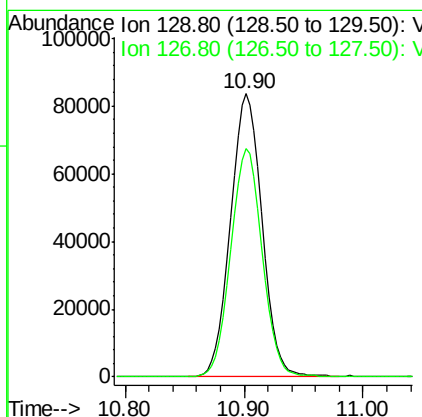
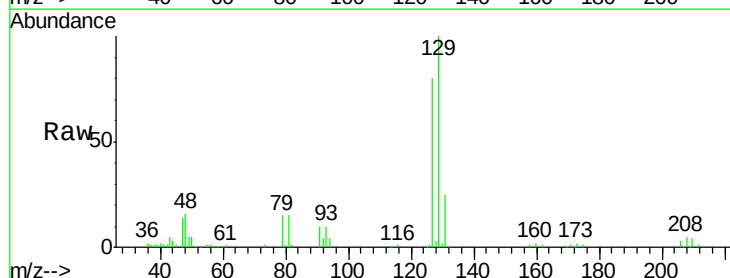
Manual Integrations
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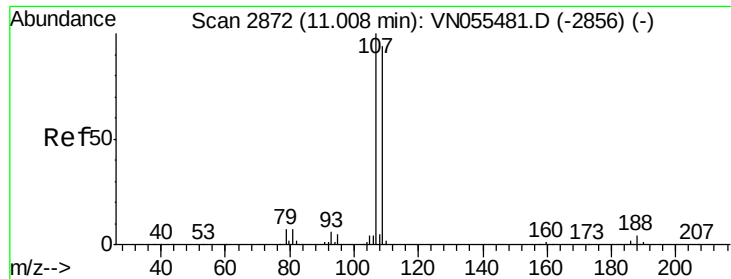
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#60
Dibromochloromethane
Concen: 19.731 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Tgt Ion: 129 Resp: 153667
Ion Ratio Lower Upper
129 100
127 80.4 38.6 116.0





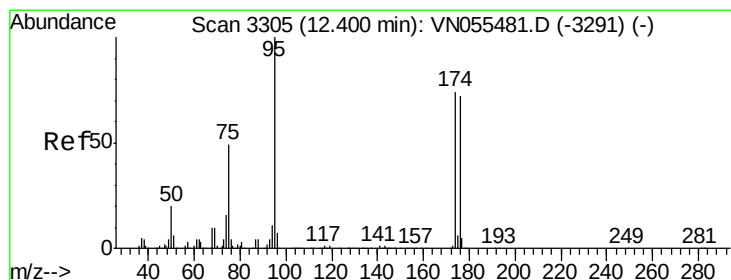
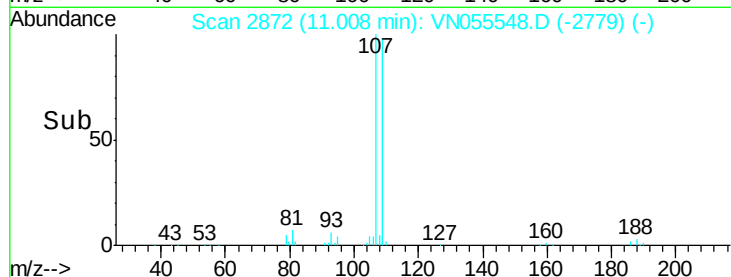
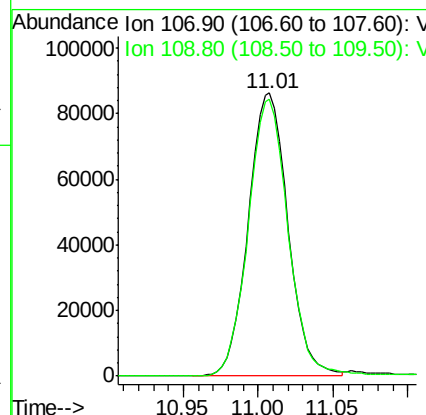
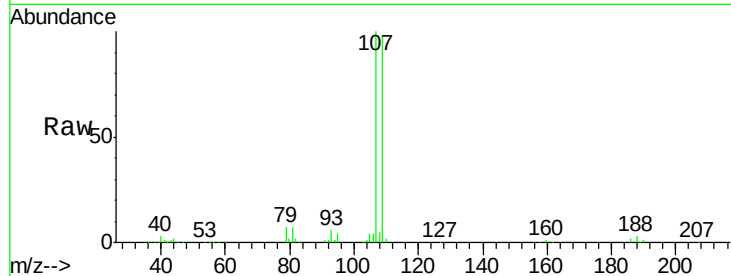
#61
 1,2-Dibromoethane
 Concen: 19.340 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN055548.D
 Acq: 10 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0510WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
107	100	159170		
109	98.4	74.2	111.4	

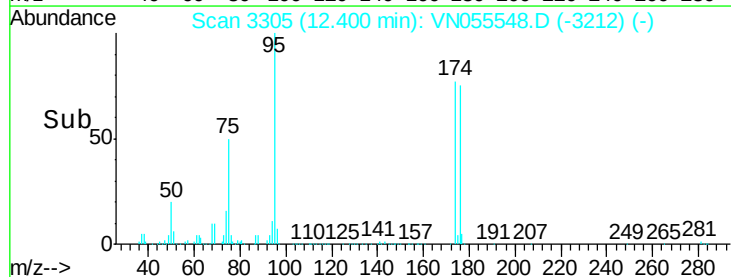
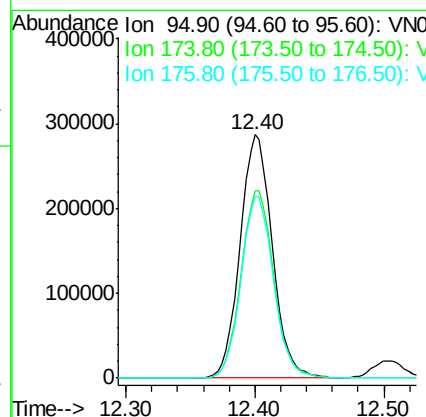
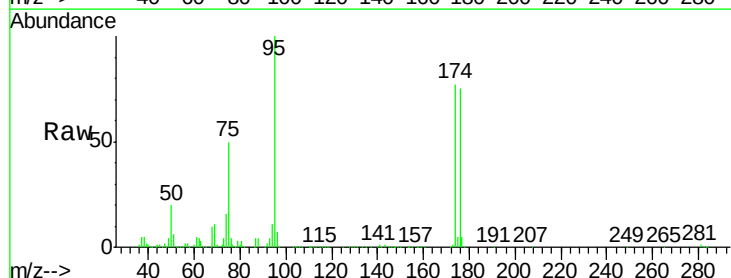
Manual Integrations
 APPROVED

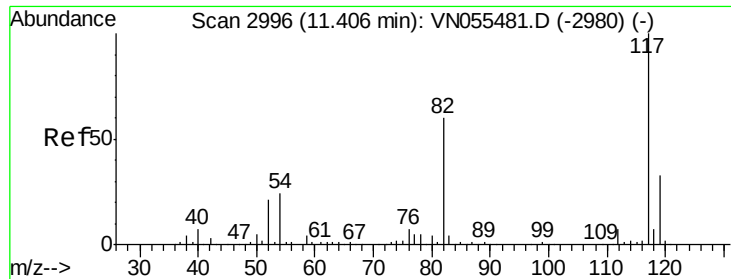
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 48.623 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055548.D
 Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	498465		
174	78.2	0.0	152.2	
176	75.4	0.0	147.8	





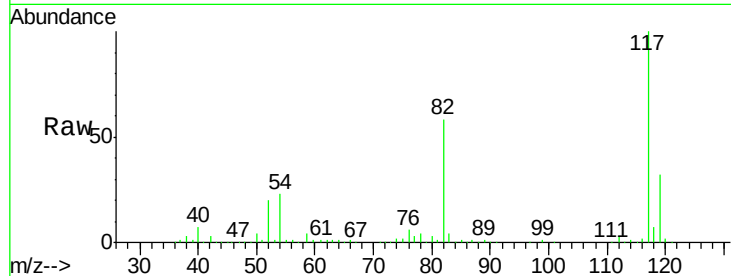
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBSD02

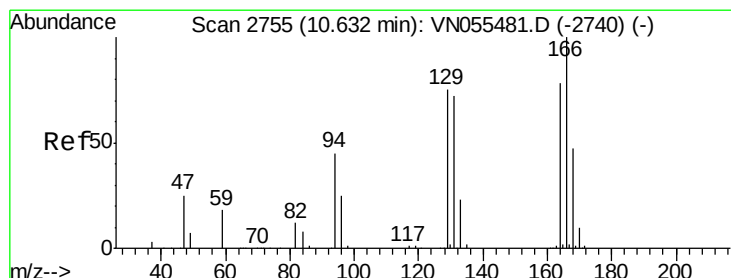
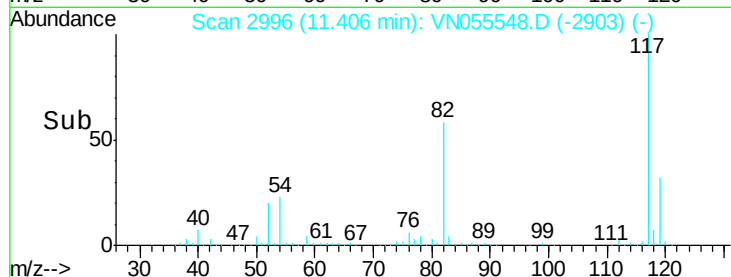
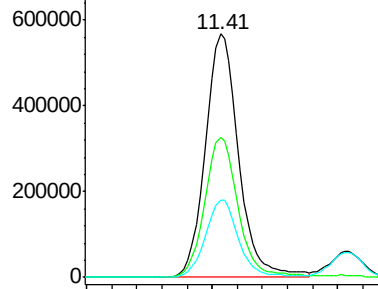
Tot Ion:117 Resp: 1046760
Ion Ratio Lower Upper
117 100
82 57.7 48.0 72.0
119 31.9 26.0 39.0

Manual Integrations
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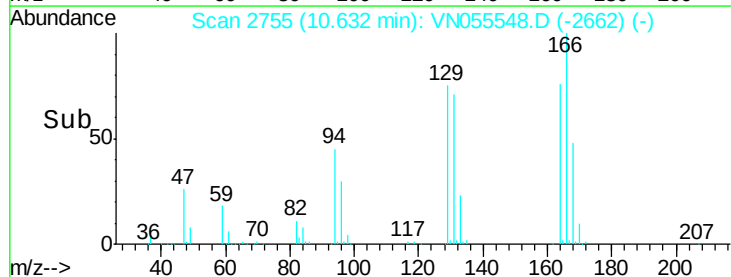
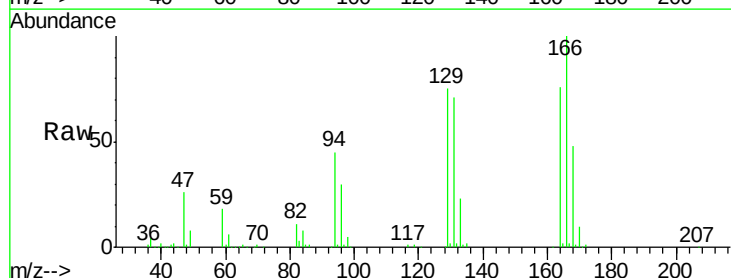
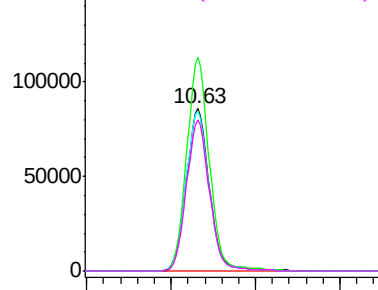
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

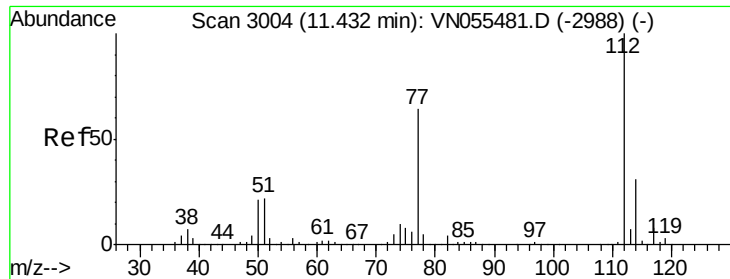


#64
Tetrachloroethene
Concen: 19.081 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Tgt Ion:164 Resp: 163659
Ion Ratio Lower Upper
164 100
166 131.8 102.6 153.8
129 98.5 77.0 115.6
131 93.1 73.7 110.5

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





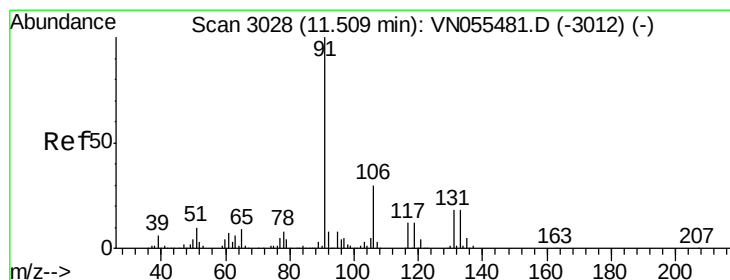
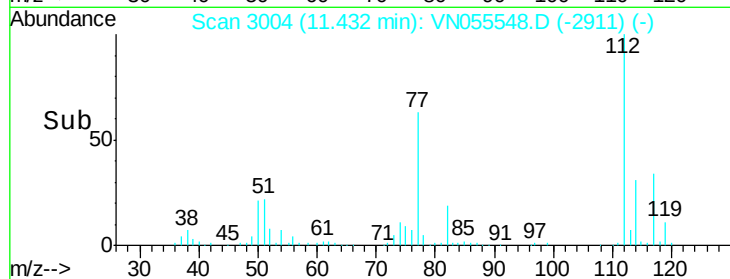
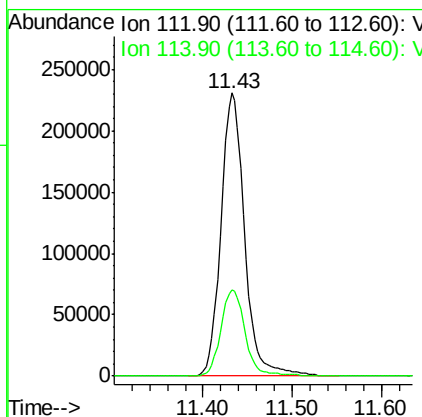
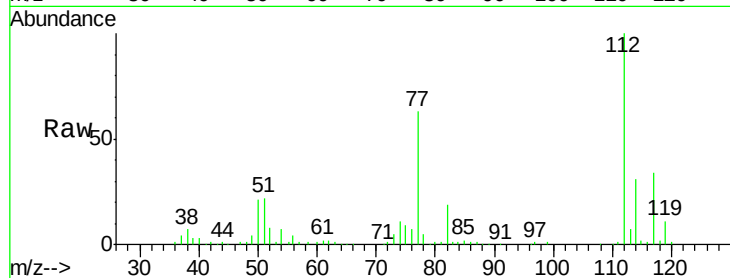
#65
Chlorobenzene
Concen: 19.665 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_N
ClientSampled :
VN0510WBSD02

Tot Ion:112 Resp: 423489
Ion Ratio Lower Upper
112 100
114 30.6 25.0 37.4

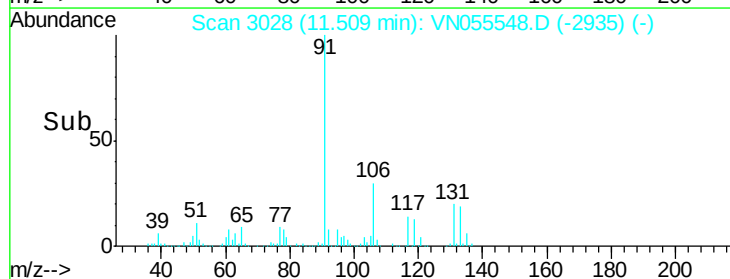
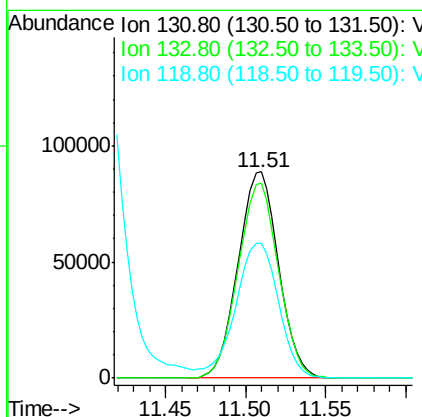
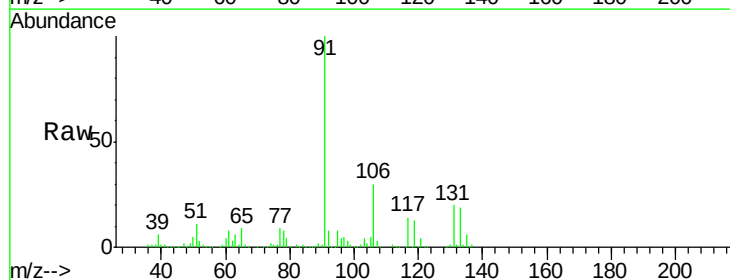
Manual Integrations
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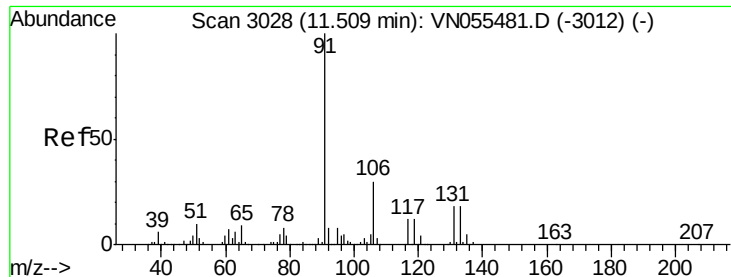
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.610 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Tgt Ion:131 Resp: 152803
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.2
119 69.2 34.1 102.2





#67

Ethyl Benzene

Concen: 19.075 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBSD02

Tot Ion: 91 Resp: 771528

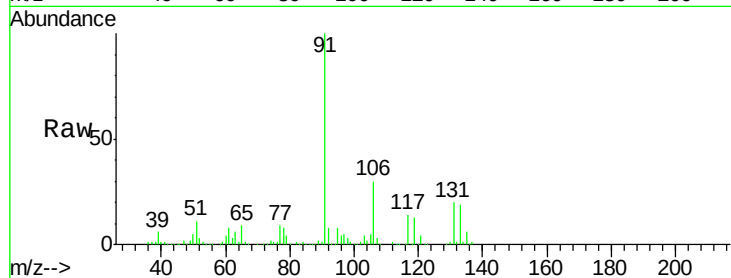
Ion Ratio Lower Upper

91 100

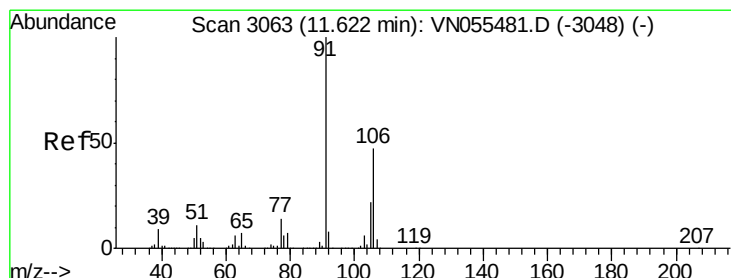
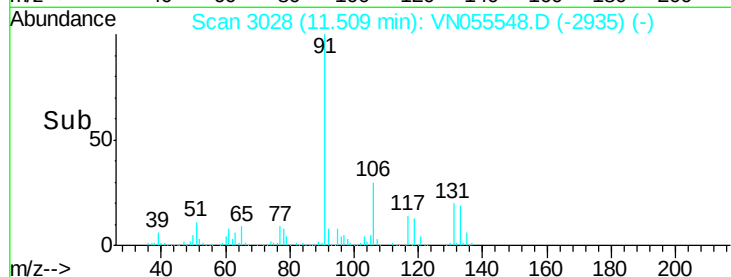
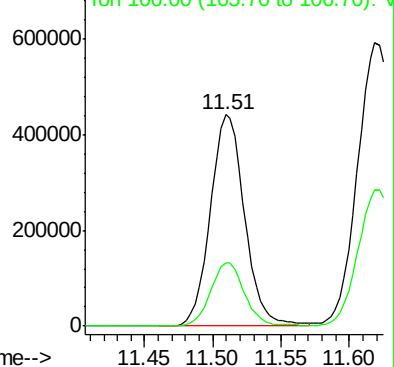
106 30.2 23.8 35.6

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Abundance Ion 91.00 (90.70 to 91.70): VN055548.D (-2935) (-)



#68

m/p-Xylenes

Concen: 39.203 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN055548.D

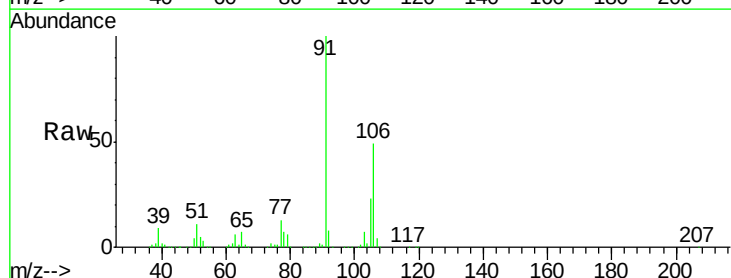
Acq: 10 May 2019 13:37

Tgt Ion: 106 Resp: 569047

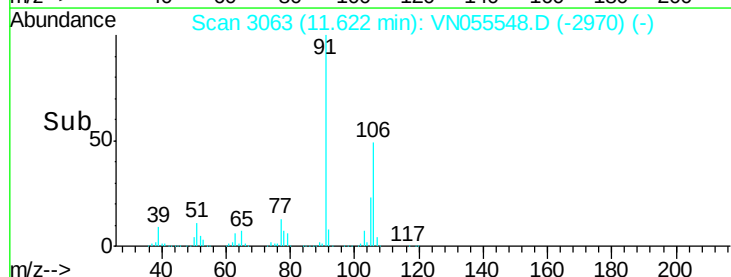
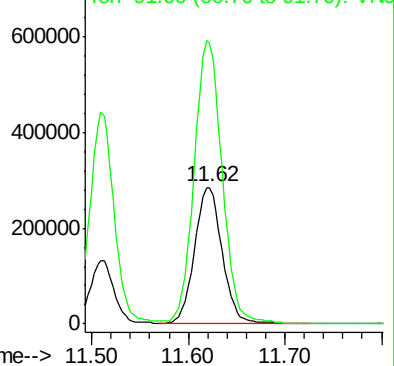
Ion Ratio Lower Upper

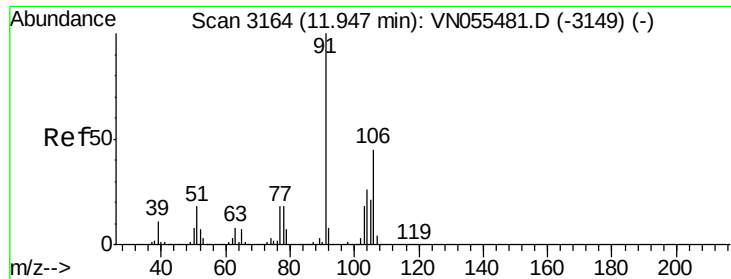
106 100

91 209.2 169.2 253.8



Abundance Ion 106.00 (105.70 to 106.70): VN055548.D (-2970) (-)





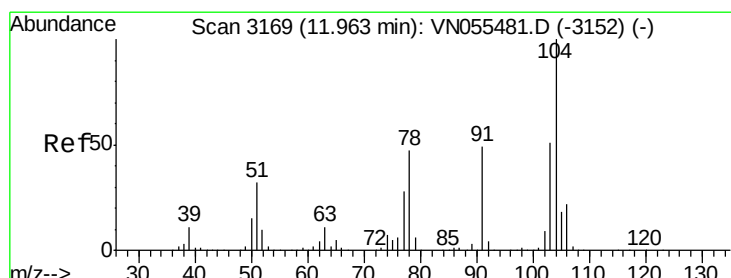
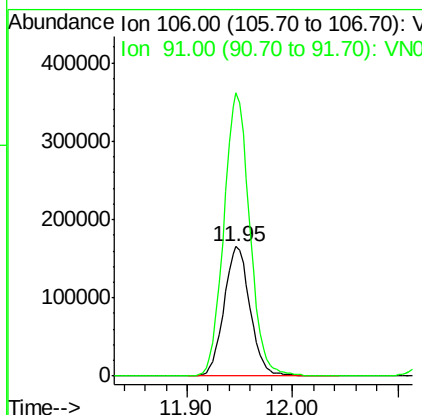
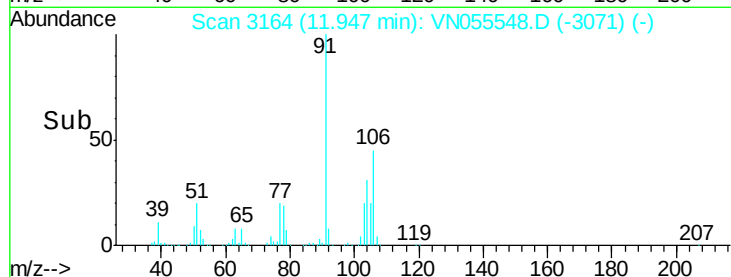
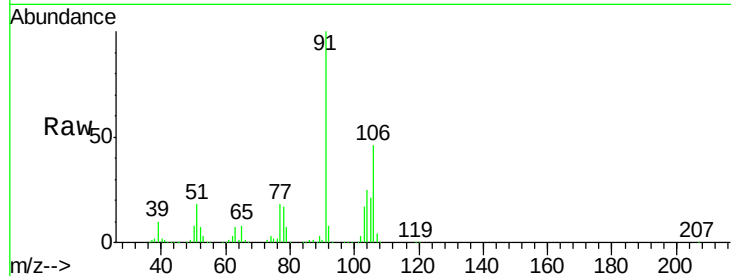
#69
o-Xylene
Concen: 19.860 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	283341		
91	91	216.4	111.3	333.8	

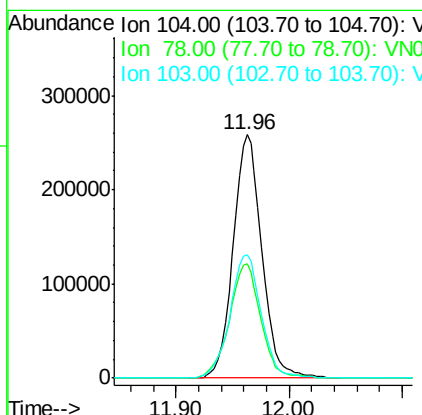
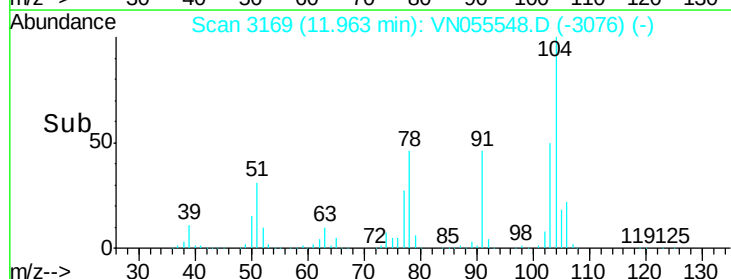
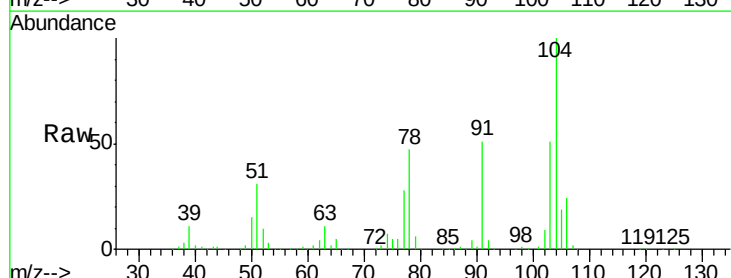
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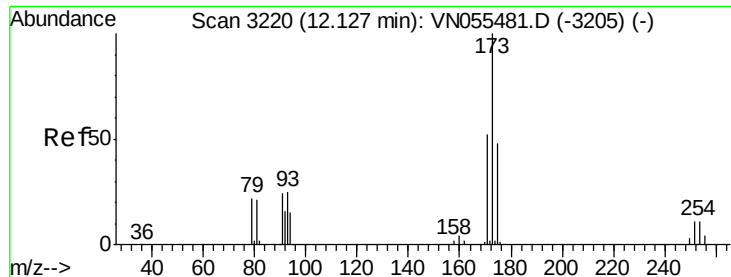
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#70
Styrene
Concen: 19.918 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	455258		
78	78	51.3	41.6	62.4	
103	103	55.5	44.4	66.6	





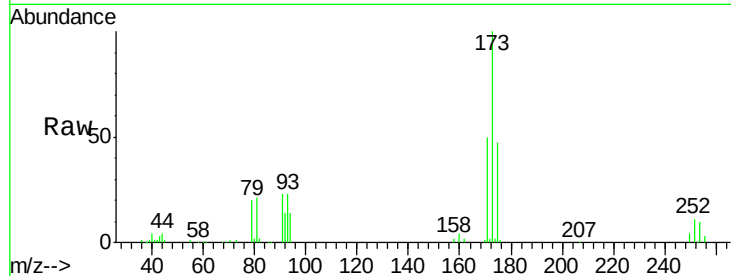
#71
Bromoform
Concen: 20.273 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBSD02

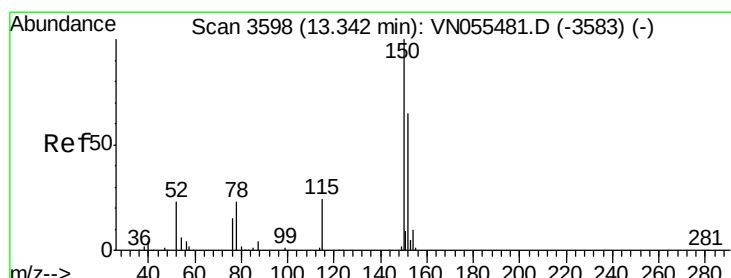
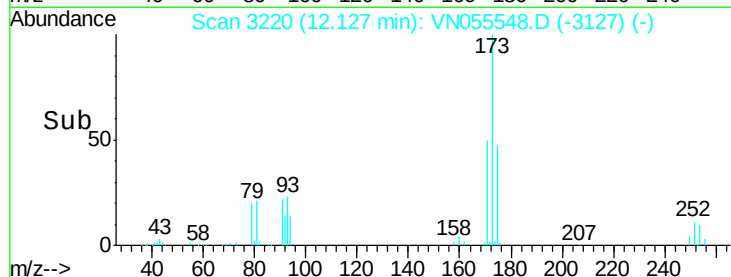
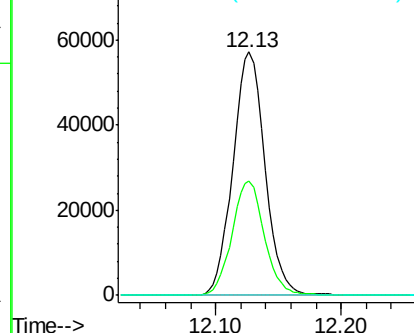
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.1	72.4
254	0.0	0.1	0.1

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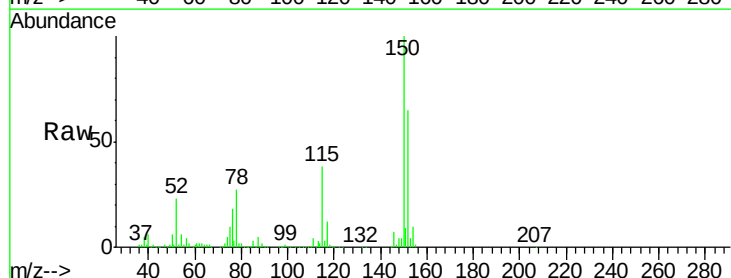


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

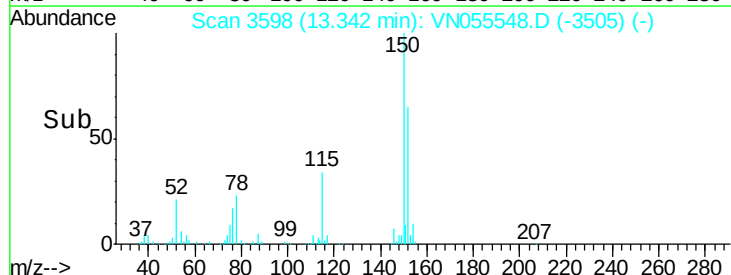
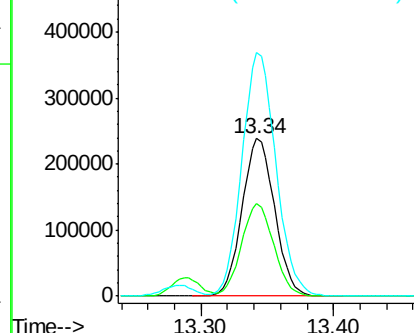


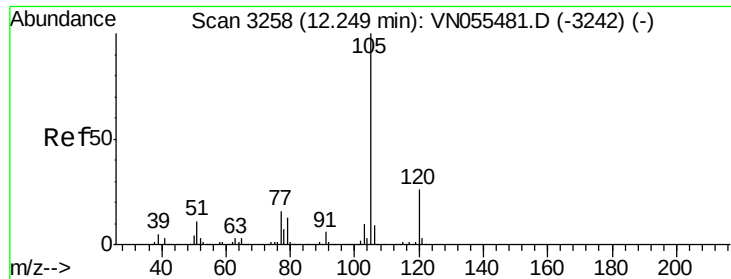
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	30.1	90.5
150	161.2	0.0	355.0



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





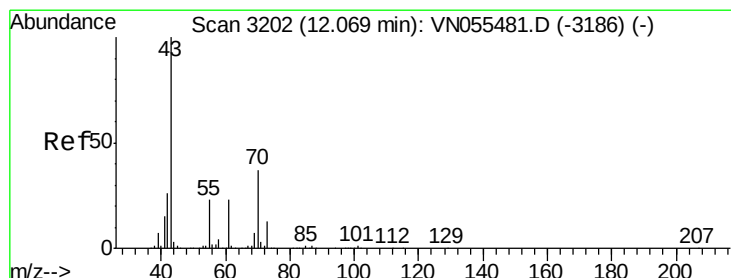
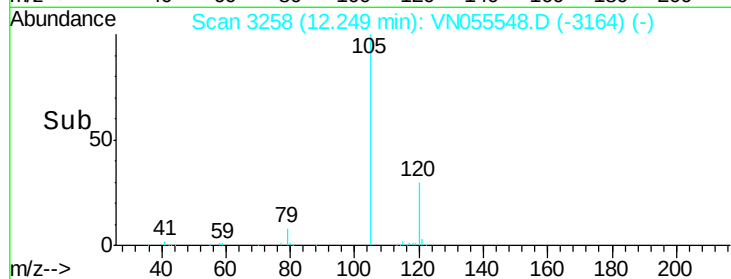
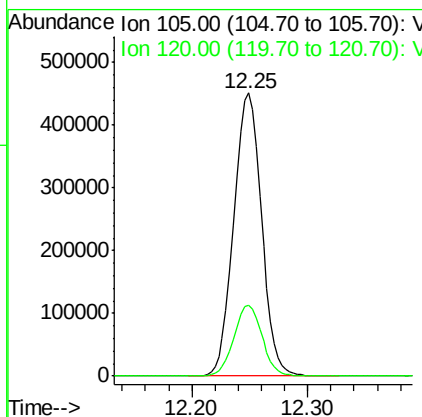
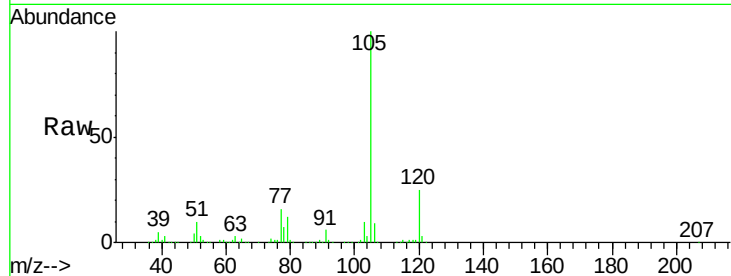
#73
Isopropylbenzene
Concen: 20.789 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.0	39.0

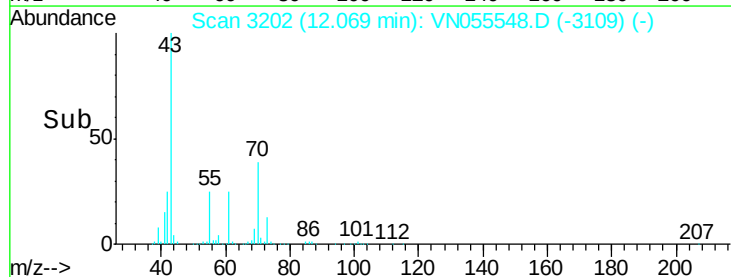
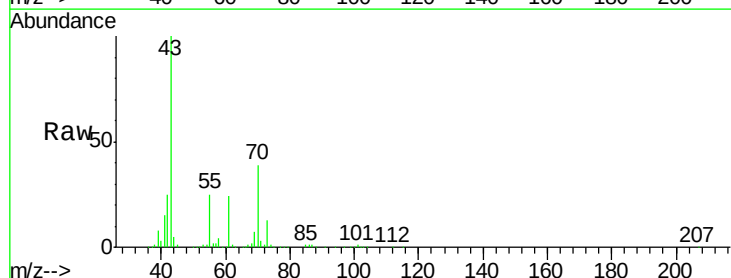
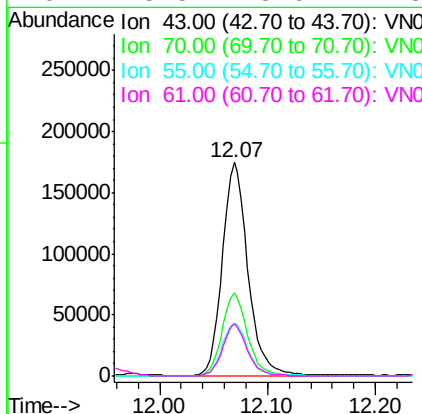
Manual Integrations
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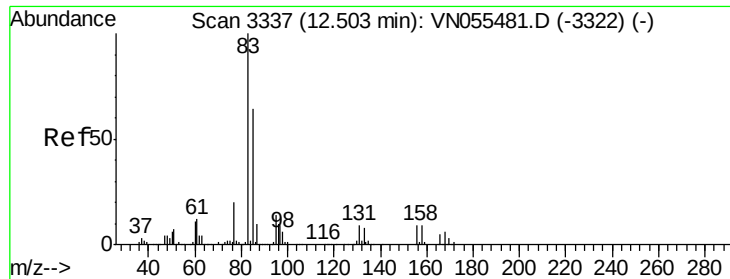
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#74
N-ethyl acetate
Concen: 18.595 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.0	30.7	46.1
55	25.3	19.3	28.9
61	23.5	18.6	27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.684 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_N

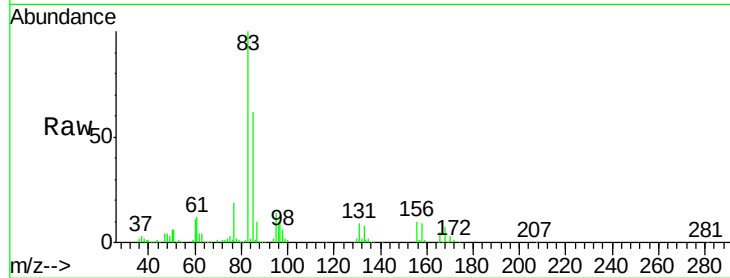
ClientSampleId :

VN0510WBSD02

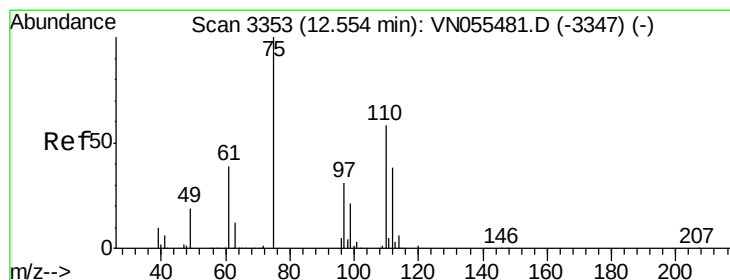
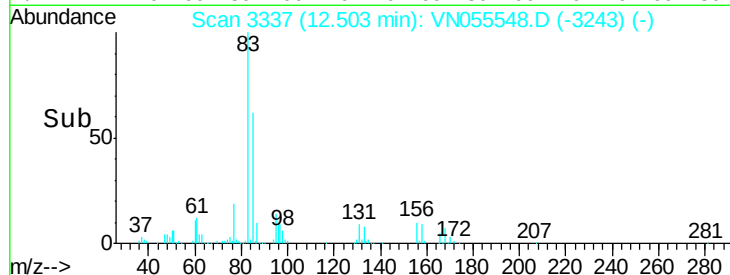
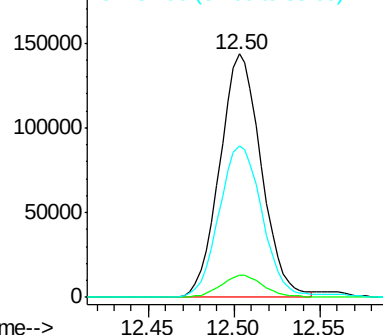
Tot Ion:	83	Resp:	241086
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.5	13.5
85	64.6	32.0	96.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055481.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 18.297 ug/l m

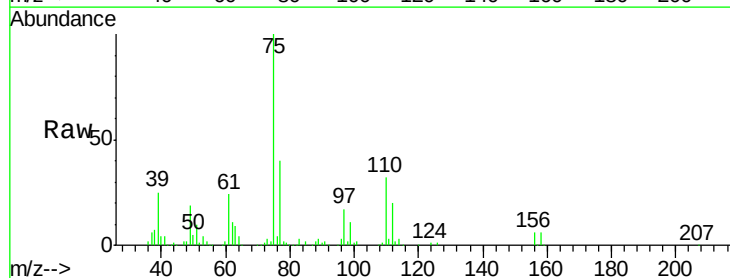
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

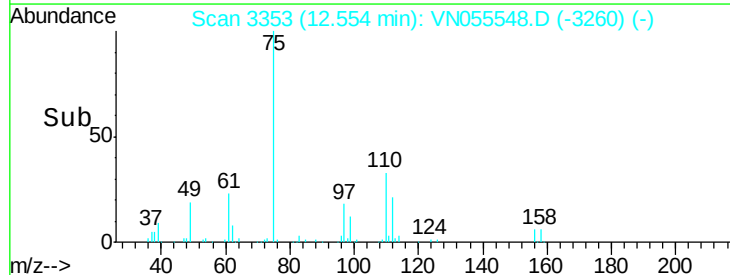
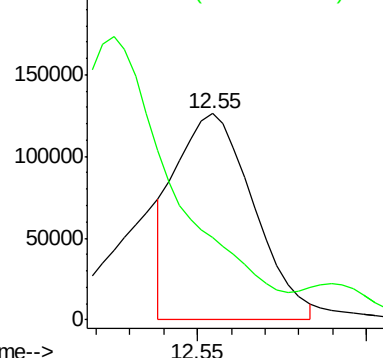
Lab File: VN055548.D

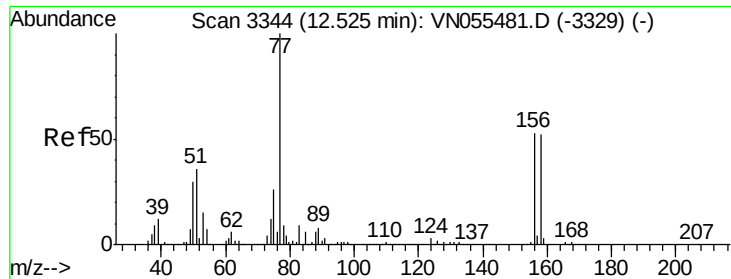
Acq: 10 May 2019 13:37

Tgt Ion:	75	Resp:	202519
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055481.D (-3347) (-)





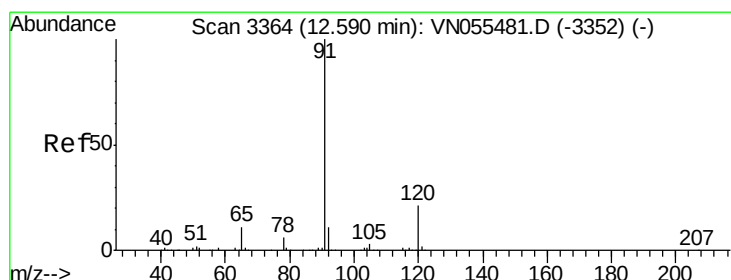
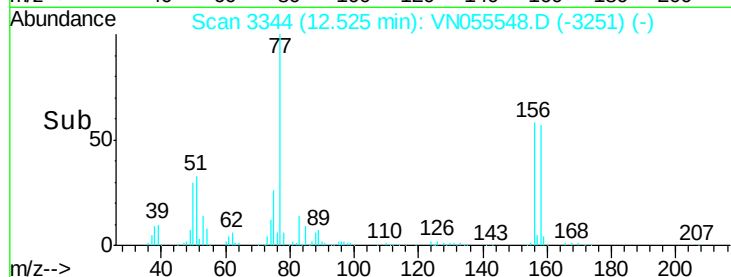
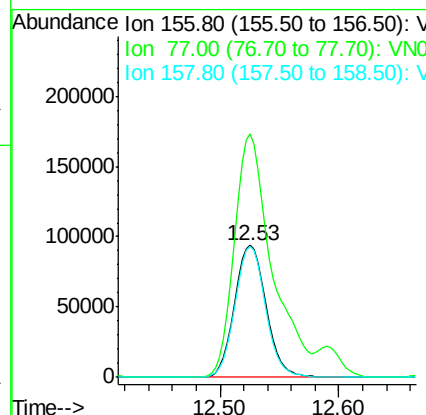
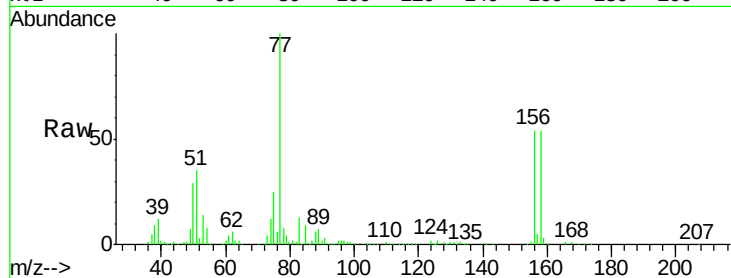
#77
Bromobenzene
Concen: 19.300 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	219.3	115.4	346.2
158	96.1	48.7	146.1

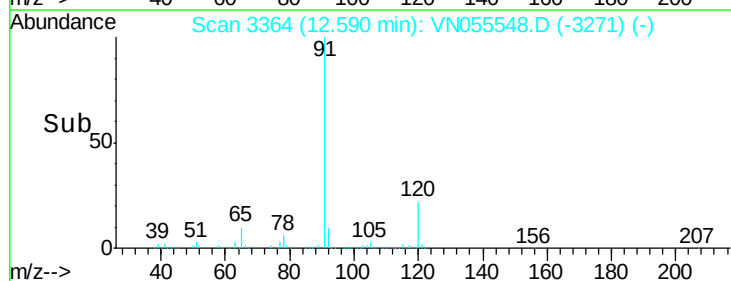
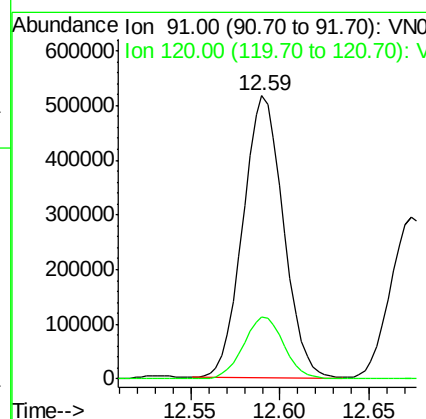
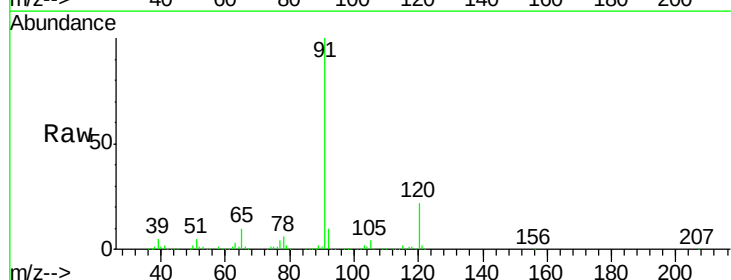
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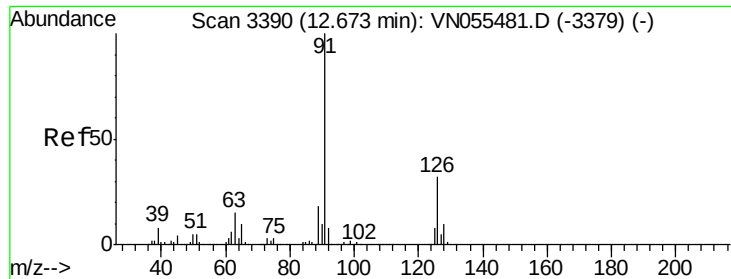
MMDadoda
5/11/2019 1:16:54 PM



#78
n-propylbenzene
Concen: 18.687 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN055548.D
Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.3





#79

2-Chlorotoluene

Concen: 18.667 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBSD02

Tot Ion: 91 Resp: 507306

Ion Ratio Lower Upper

91 100

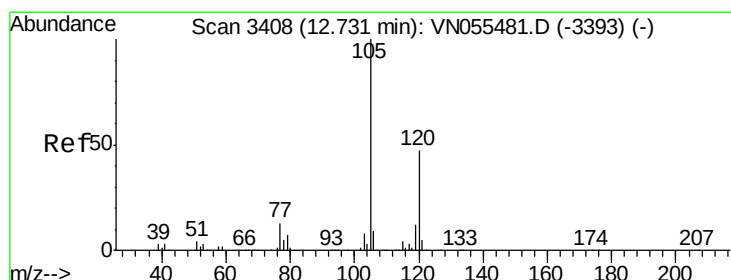
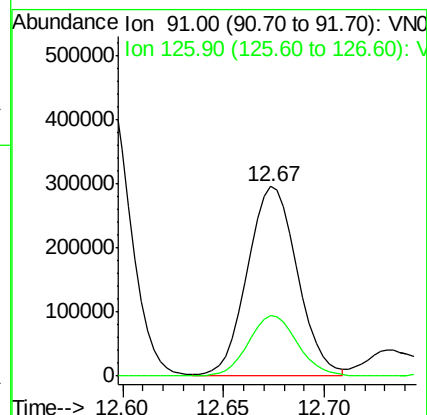
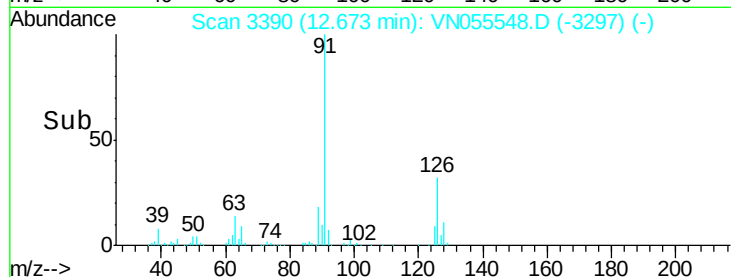
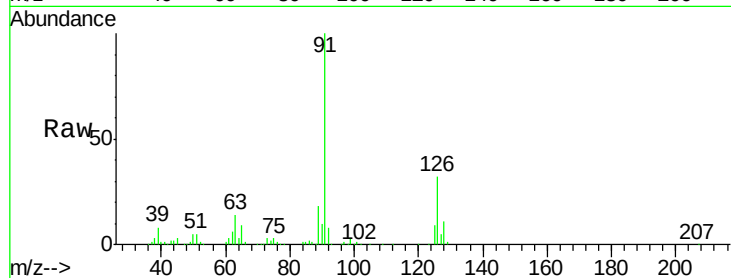
126 32.0 16.0 47.9

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#80

1,3,5-Trimethylbenzene

Concen: 18.772 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055548.D

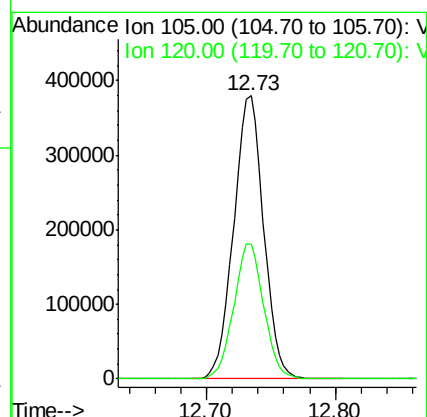
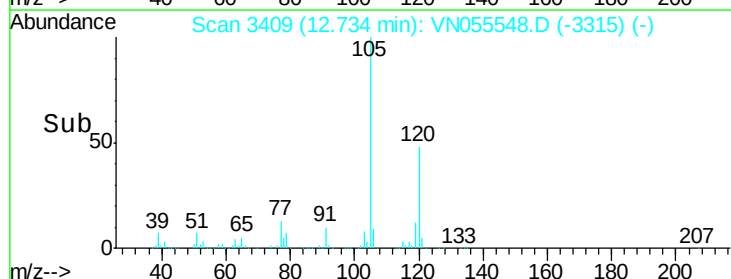
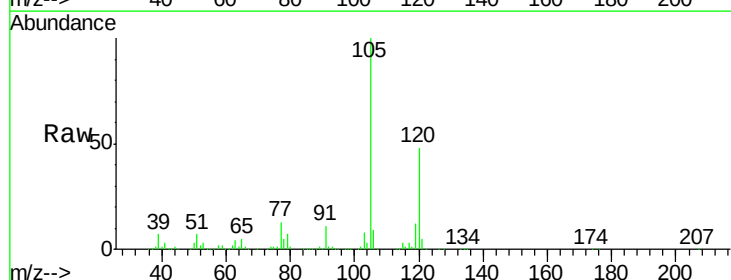
Acq: 10 May 2019 13:37

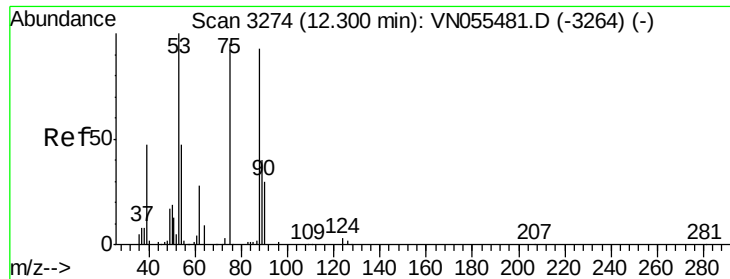
Tgt Ion: 105 Resp: 610402

Ion Ratio Lower Upper

105 100

120 47.9 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.908 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_N

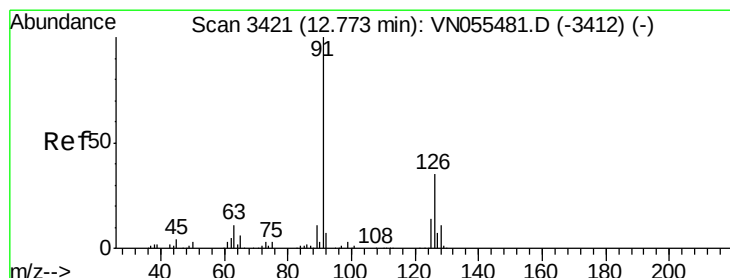
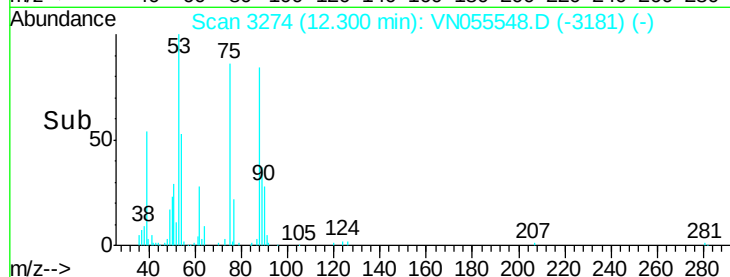
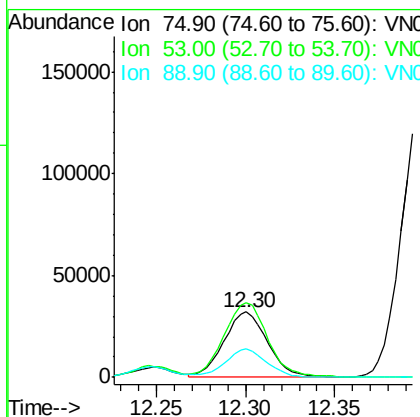
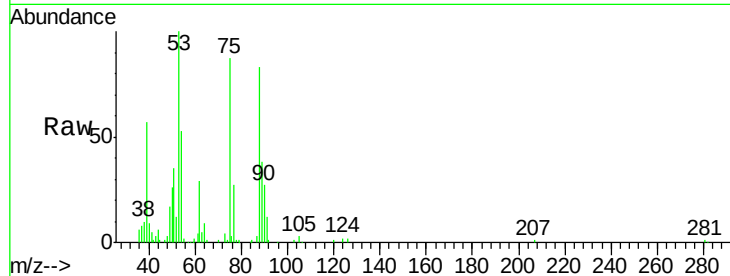
ClientSampleId :

VN0510WBSD02

Tot Ion:	75	Resp:	53718
Ion	Ratio	Lower	Upper
75	100		
53	116.9	86.5	129.7
89	42.0	35.7	53.5

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#82

4-Chlorotoluene

Concen: 18.595 ug/l

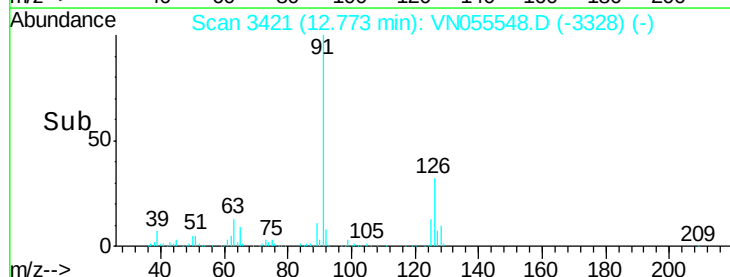
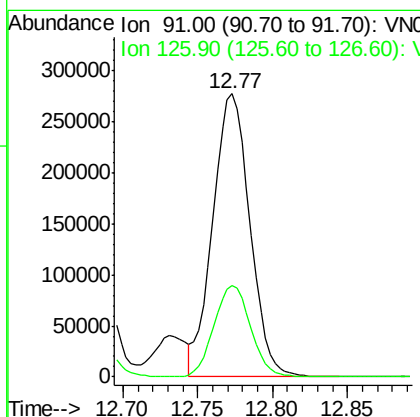
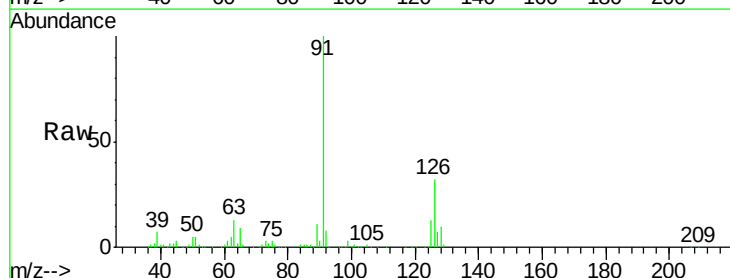
RT: 12.77 min Scan# 3421

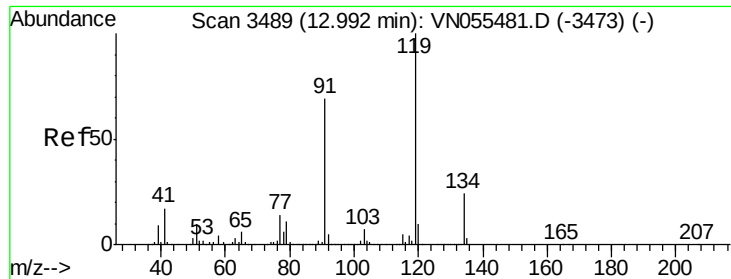
Delta R.T. -0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Tgt Ion:	91	Resp:	477516
Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.0





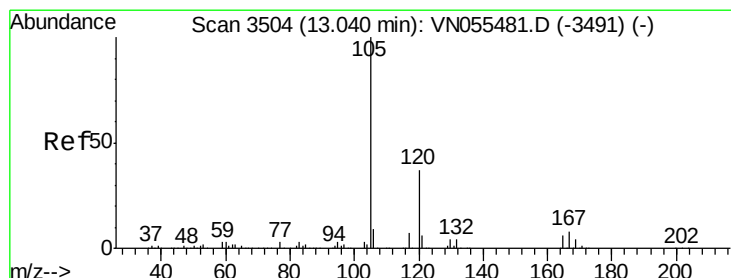
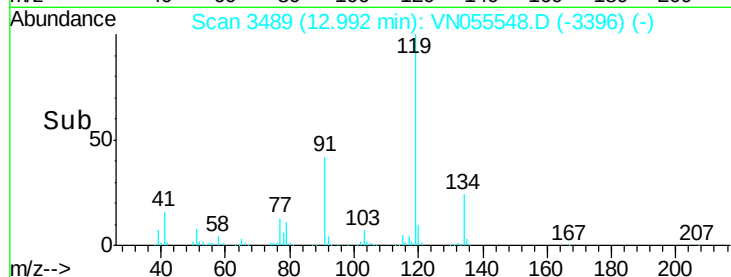
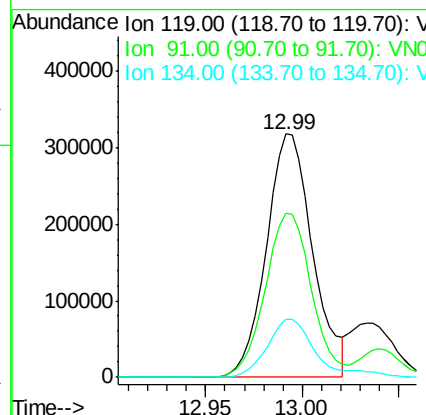
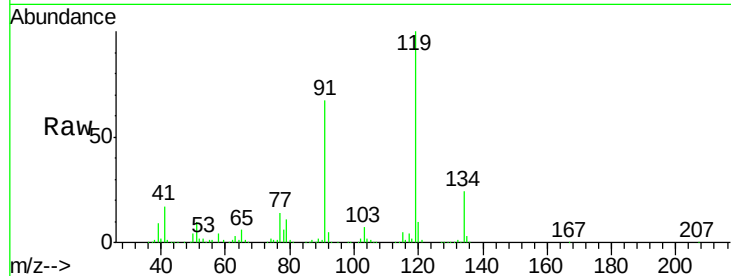
#83
 tert-Butylbenzene
 Concen: 19.023 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN055548.D
 Acq: 10 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	33.8	101.3
134	25.3	12.5	37.5

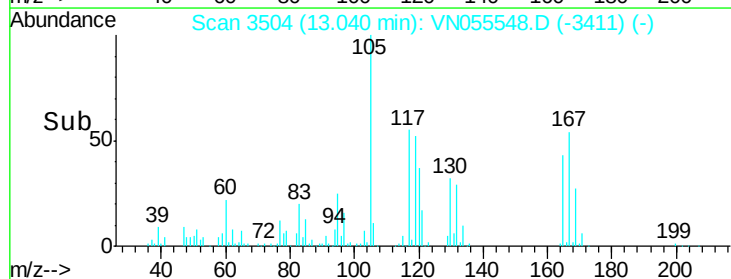
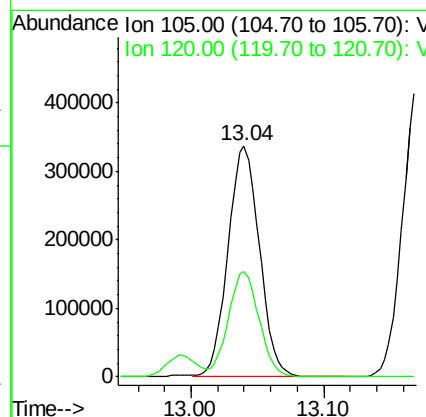
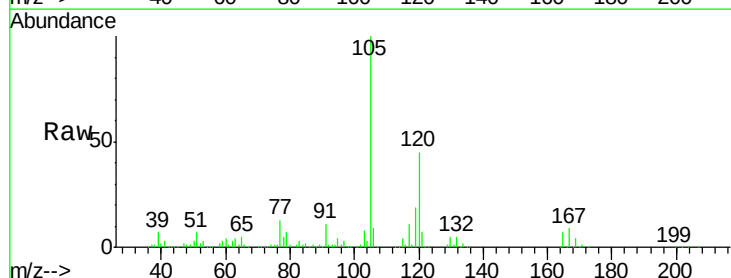
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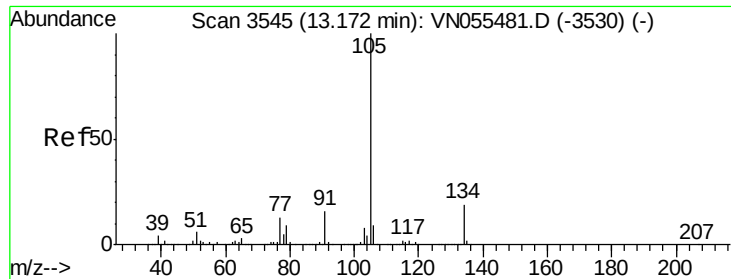
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.567 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055548.D
 Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.1	66.5





#85

sec-Butylbenzene

Concen: 18.635 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleID :

VN0510WBSD02

Tot Ion:105 Resp: 690279

Ion Ratio Lower Upper

105 100

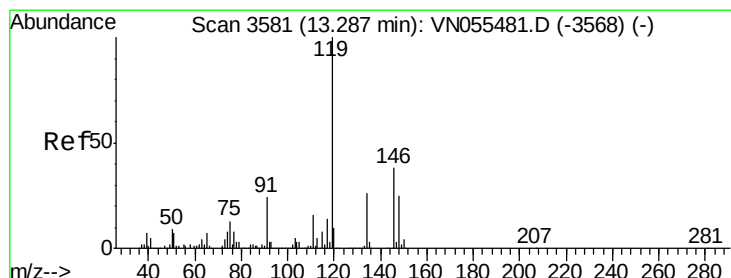
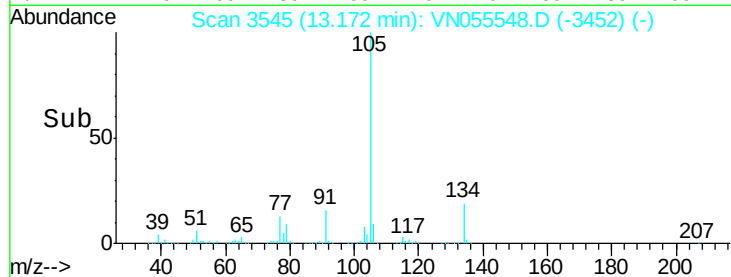
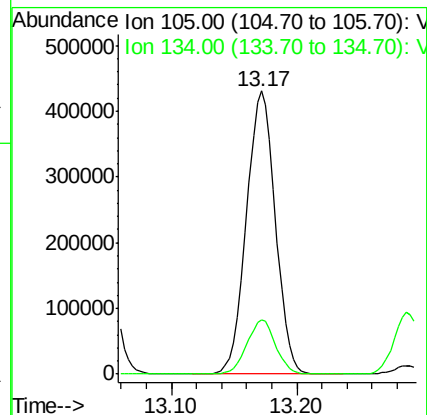
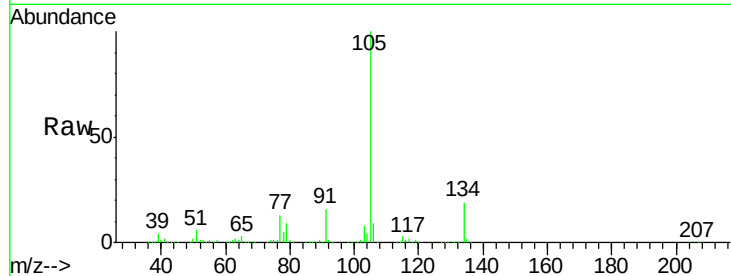
134 19.1 9.3 28.0

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#86

p-Isopropyltoluene

Concen: 18.411 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

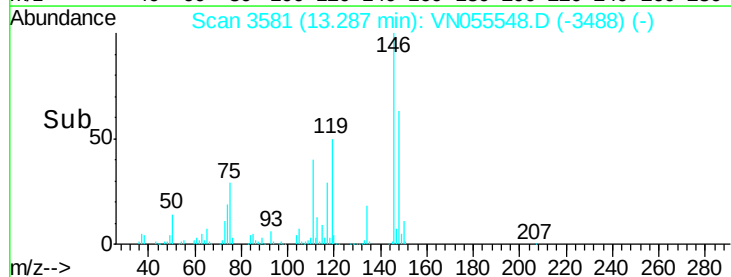
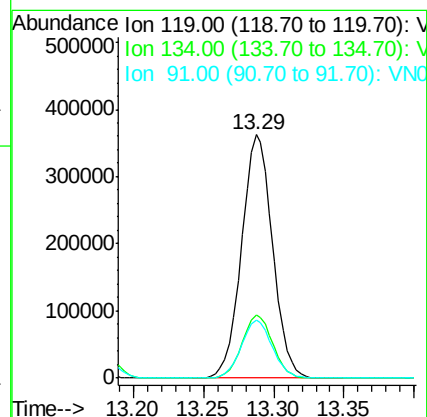
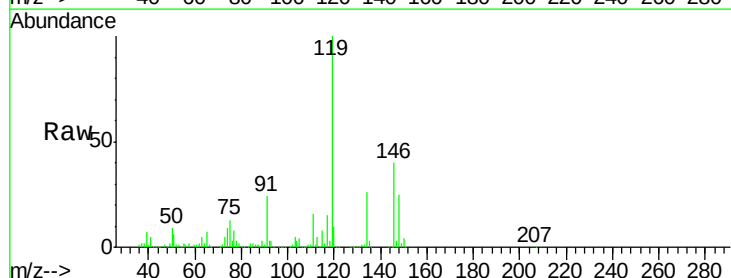
Tgt Ion:119 Resp: 555023

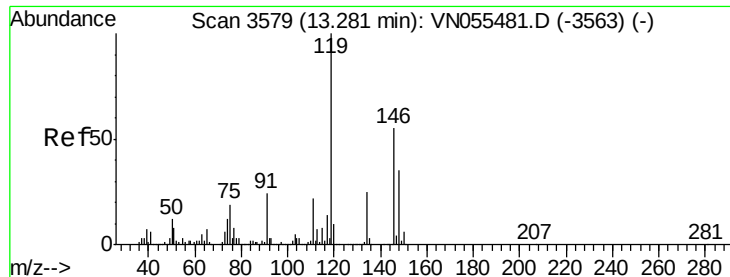
Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 23.9 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 19.243 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055548.D

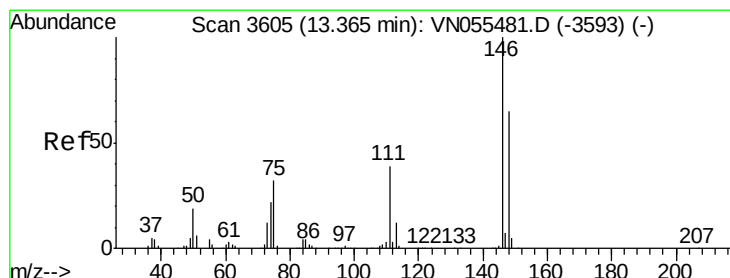
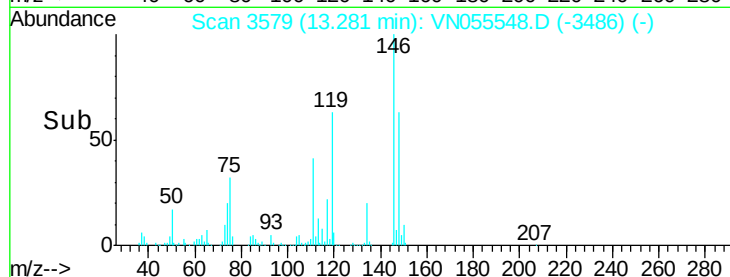
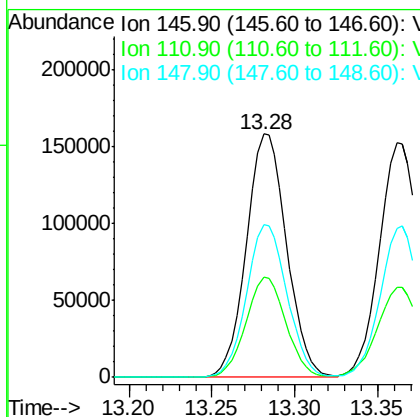
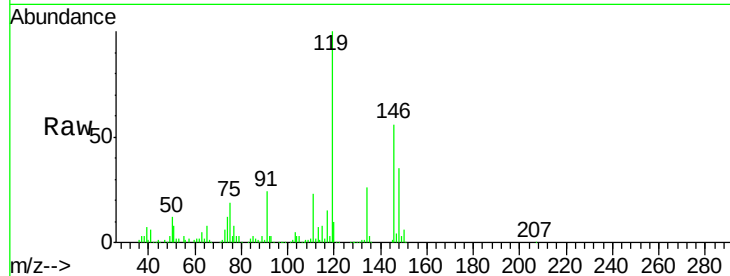
Acq: 10 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	266428		
111	41.0	20.4	61.3	
148	63.2	32.1	96.5	

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#88

1,4-Dichlorobenzene

Concen: 18.900 ug/l

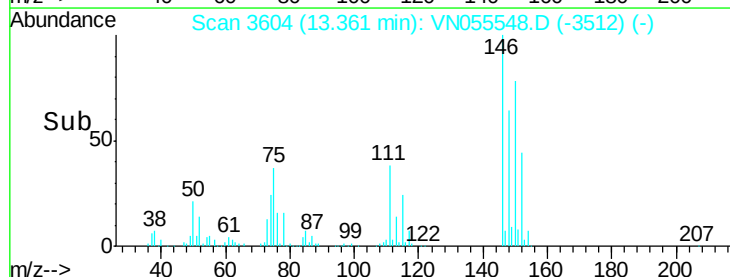
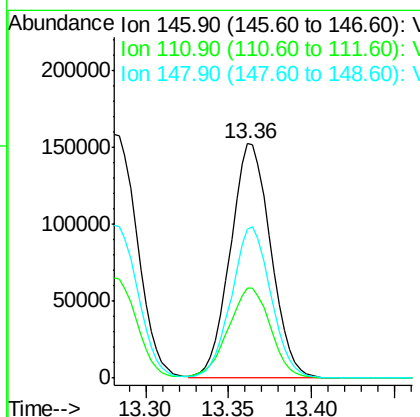
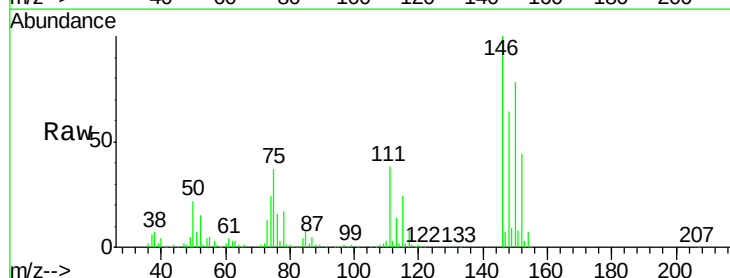
RT: 13.36 min Scan# 3604

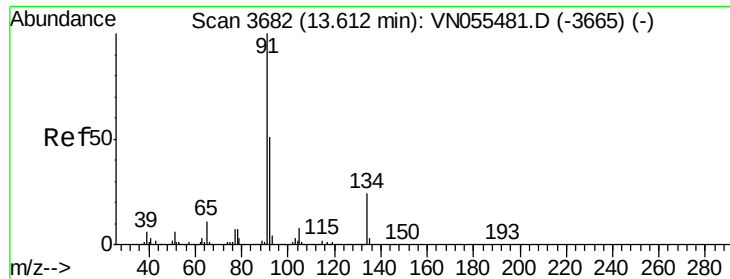
Delta R.T. -0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	258249		
111	40.4	19.6	58.8	
148	63.4	32.5	97.4	





#89

n-Butylbenzene

Concen: 16.691 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_N

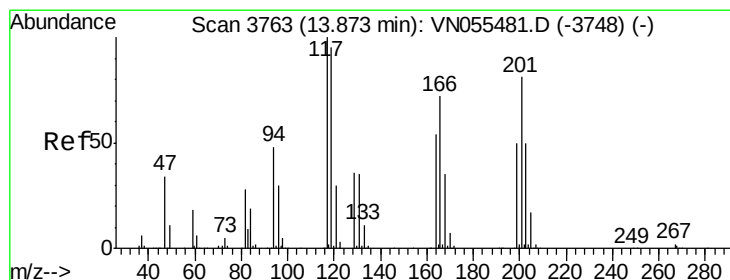
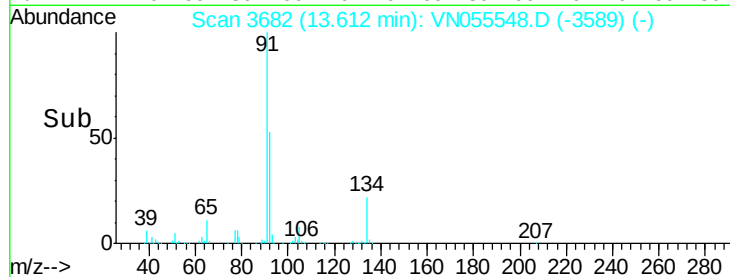
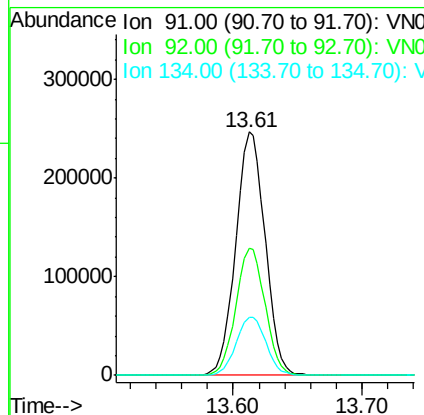
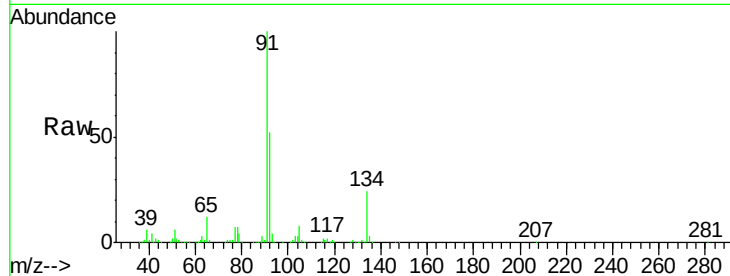
ClientSampleId :

VN0510WBSD02

Tot Ion:	91	Resp:	390001
Ion Ratio	Lower	Upper	
91	100		
92	51.8	25.9	77.7
134	24.3	11.8	35.4

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#90

Hexachloroethane

Concen: 18.483 ug/l

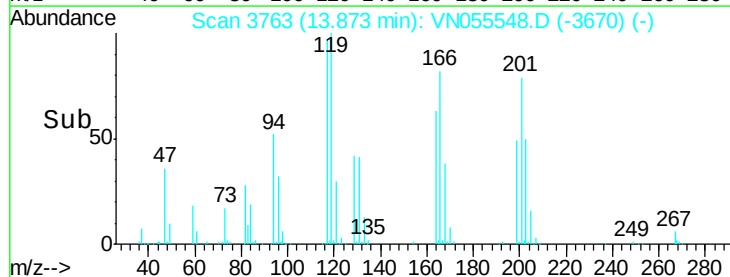
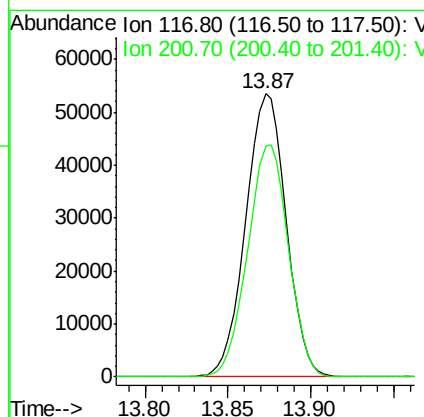
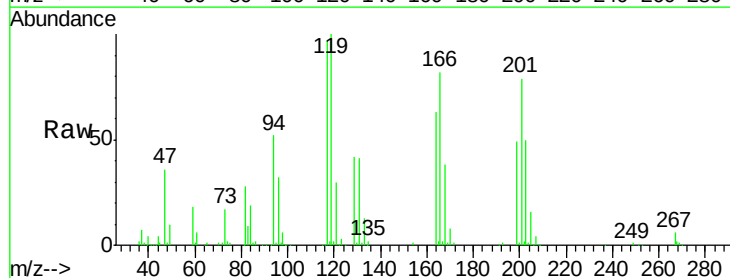
RT: 13.87 min Scan# 3763

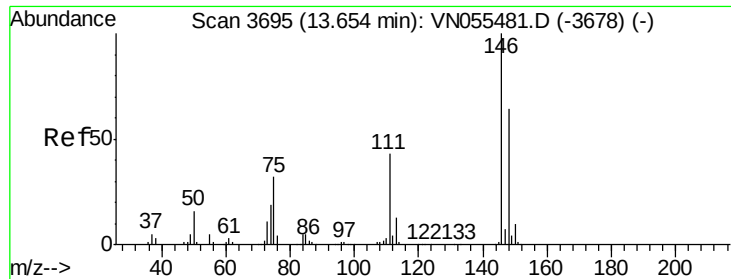
Delta R.T. -0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Tgt Ion:	117	Resp:	90892
Ion Ratio	Lower	Upper	
117	100		
201	82.4	40.1	120.2





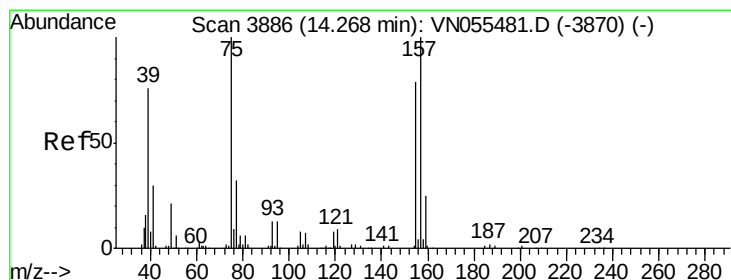
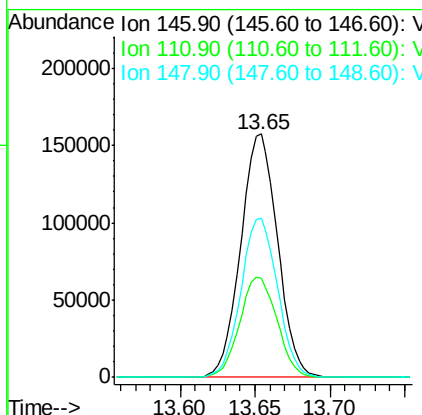
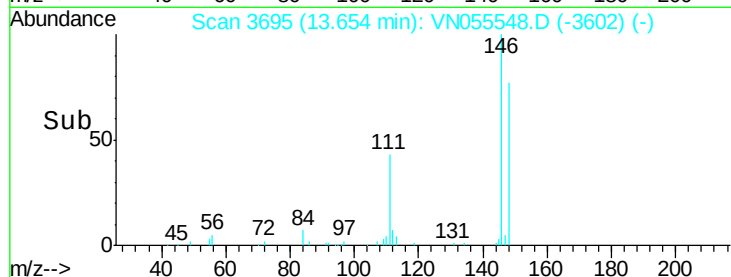
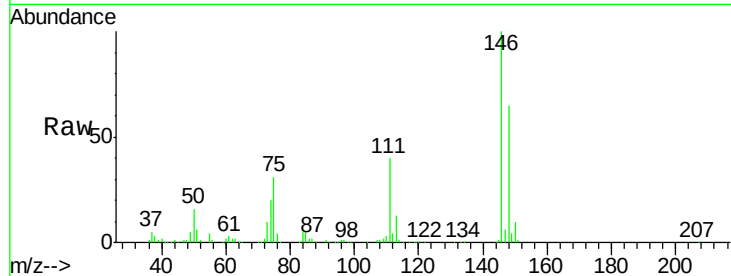
#91
 1,2-Dichlorobenzene
 Concen: 19.561 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN055548.D
 Acq: 10 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.3	63.7
148	64.9	31.9	95.9

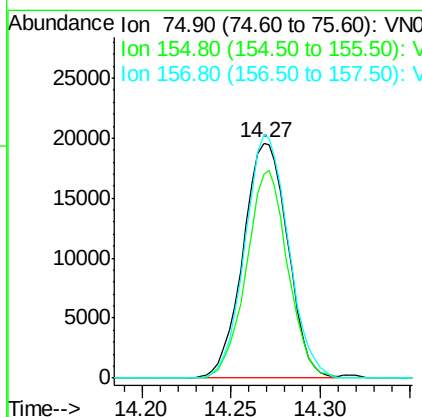
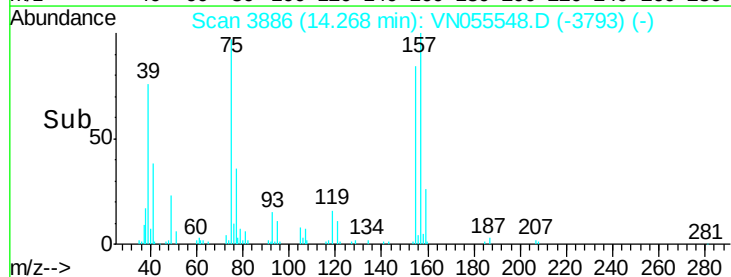
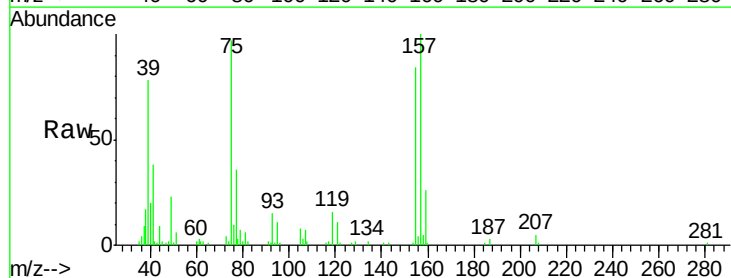
Manual Integrations
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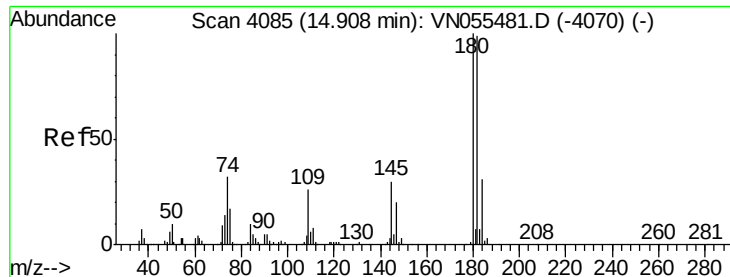
MMDadoda
 5/11/2019 1:16:54 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.375 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055548.D
 Acq: 10 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	39.3	117.8
157	100.6	50.6	151.8





#93

1,2,4-Trichlorobenzene

Concen: 15.374 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_N

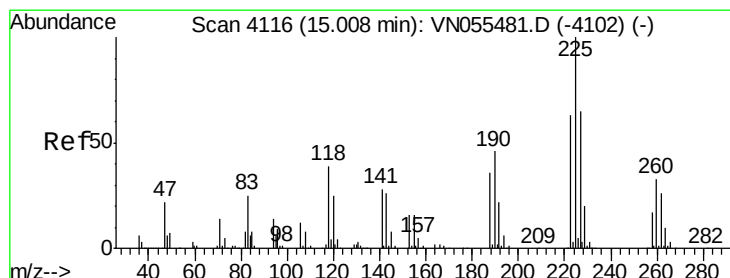
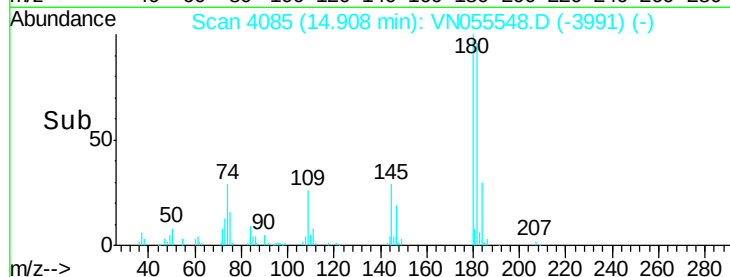
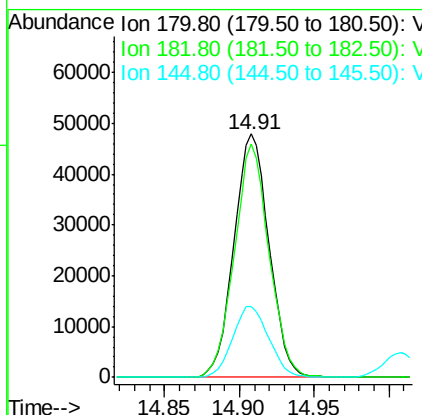
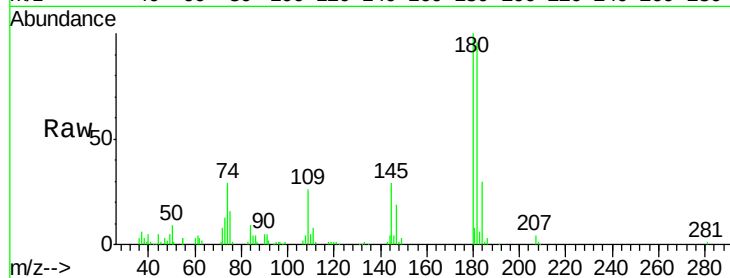
ClientSampleId :

VN0510WBSD02

Tot Ion:	180	Resp:	78337
Ion Ratio	Lower	Upper	
180	100		
182	94.6	48.7	146.1
145	30.0	15.3	45.9

Manual Integrations
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5/11/2019 1:16:54 PM



#94

Hexachlorobutadiene

Concen: 19.004 ug/l

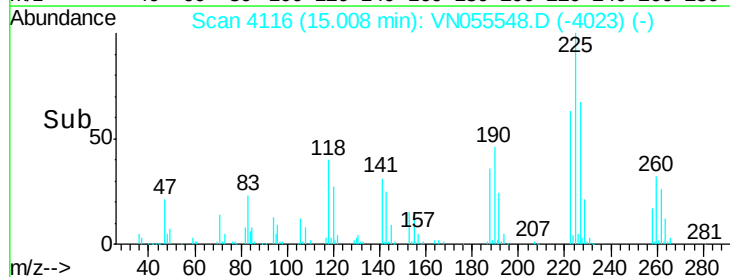
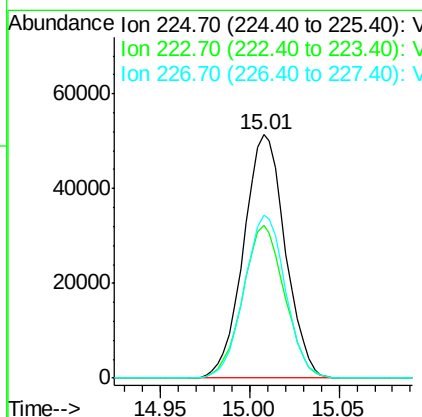
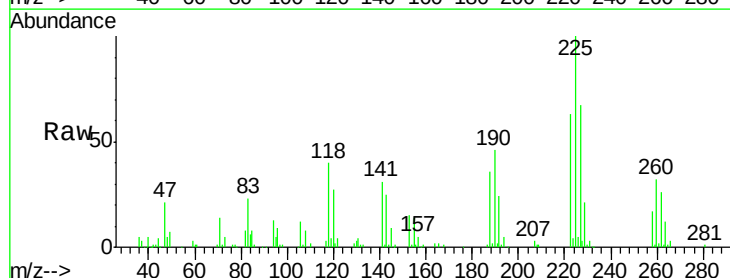
RT: 15.01 min Scan# 4116

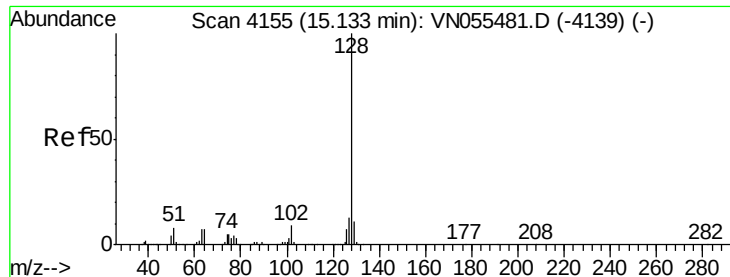
Delta R.T. 0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Tgt Ion:	225	Resp:	83732
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.4	94.3
227	66.2	32.0	96.0





#95

Naphthalene

Concen: 15.524 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Instrument :

MSVOA_N

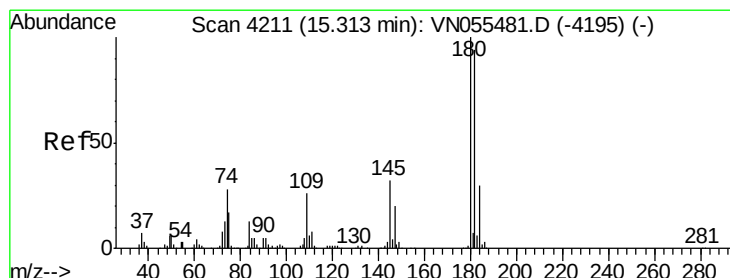
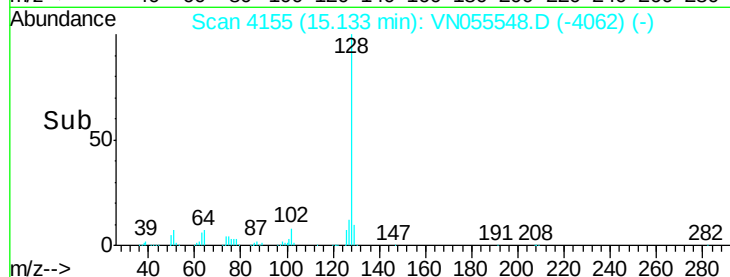
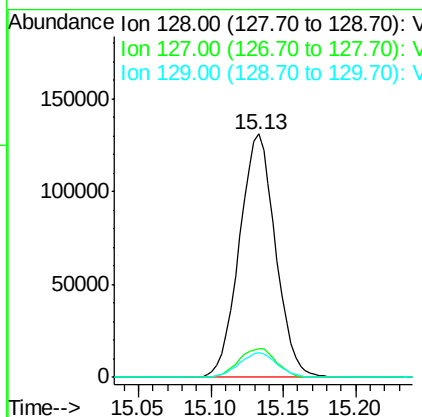
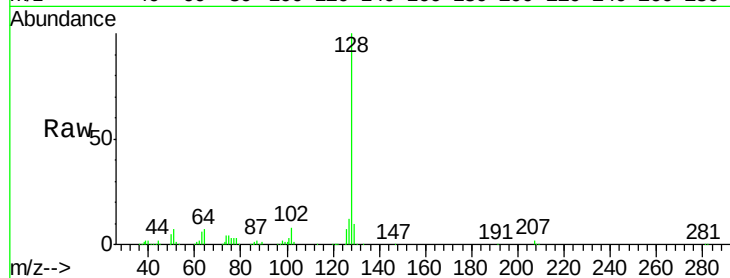
ClientSampleId :

VN0510WBSD02

Tot Ion:	128	Resp:	226690
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.0	15.0
129	10.5	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/11/2019 1:16:54 PM



#96

1,2,3-Trichlorobenzene

Concen: 15.781 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055548.D

Acq: 10 May 2019 13:37

Tgt Ion:	180	Resp:	91590
Ion Ratio	Lower	Upper	
180	100		
182	98.0	47.1	141.3
145	30.6	15.8	47.4

