

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058168.D
 Acq On : 18 Sep 2019 17:36
 Operator : JC/SP
 Sample : VN0918WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:43:53 PM

Quant Time: Sep 19 15:39:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	518221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	874181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	798478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	379799	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	382271	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
35) Dibromofluoromethane	7.57	113	272708	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	10.09	98	1080173	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
62) 4-Bromofluorobenzene	12.40	95	387007	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	80485	18.906	ug/l	98
3) Chloromethane	2.04	50	68976	20.409	ug/l	99
4) Vinyl Chloride	2.17	62	73588	19.964	ug/l	100
5) Bromomethane	2.55	94	39623	21.281	ug/l	95
6) Chloroethane	2.69	64	48959	20.258	ug/l	97
7) Trichlorofluoromethane	3.00	101	108534	18.678	ug/l	100
8) Diethyl Ether	3.39	74	51020	19.163	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.74	101	78421	18.719	ug/l	99
10) Methyl Iodide	3.94	142	67054	19.101	ug/l #	96
11) Tert butyl alcohol	4.76	59	91109	106.116	ug/l	99
12) 1,1-Dichloroethene	3.72	96	63940	19.897	ug/l	97
13) Acrolein	3.58	56	17669	138.866	ug/l	99
14) Allyl chloride	4.30	41	129262	18.856	ug/l	99
15) Acrylonitrile	4.96	53	244166	106.740	ug/l	99
16) Acetone	3.79	43	221141	90.261	ug/l	97
17) Carbon Disulfide	4.03	76	81060	18.286	ug/l	96
18) Methyl Acetate	4.30	43	129912	20.151	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	323893	20.498	ug/l	98
20) Methylene Chloride	4.53	84	88286	20.451	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	69205	19.732	ug/l	99
22) Diisopropyl ether	5.93	45	339868	19.517	ug/l	95
23) Vinyl Acetate	5.87	43	1243758	104.381	ug/l	99
24) 1,1-Dichloroethane	5.83	63	178625	19.219	ug/l	98
25) 2-Butanone	6.82	43	339365	101.672	ug/l	100
26) 2,2-Dichloropropane	6.81	77	138488	17.564	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	102938	19.588	ug/l	99
28) Bromochloromethane	7.18	49	96908	22.041	ug/l	99
29) Tetrahydrofuran	7.19	42	210242	102.257	ug/l	99
30) Chloroform	7.36	83	193804	19.372	ug/l	100
31) Cyclohexane	7.64	56	121105	18.644	ug/l #	90
32) 1,1,1-Trichloroethane	7.55	97	149511	19.631	ug/l	99
36) 1,1-Dichloropropene	7.78	75	113211	17.958	ug/l	99
37) Ethyl Acetate	6.91	43	136730	20.899	ug/l	98
38) Carbon Tetrachloride	7.76	117	117239	18.500	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	113399	18.649	ug/l	96
40) Benzene	8.03	78	368111	19.118	ug/l	99
41) Methacrylonitrile	7.16	41	68729	21.384	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	155954	19.302	ug/l	100
43) Isopropyl Acetate	8.15	43	263263	21.546	ug/l #	88
44) Trichloroethene	8.82	130	88515	18.785	ug/l	97
45) 1,2-Dichloropropane	9.11	63	116425	20.247	ug/l	99
46) Dibromomethane	9.20	93	70683	20.218	ug/l	97
47) Bromodichloromethane	9.39	83	143209	19.553	ug/l	96
48) Methyl methacrylate	9.19	41	110714	19.957	ug/l	98
49) 1,4-Dioxane	9.19	88	38600	423.790	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	745092	114.808	ug/l	99
52) Toluene	10.15	92	234340	19.419	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	142993	19.059	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	157992	19.074	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	109919	20.526	ug/l	98
56) Ethyl methacrylate	10.43	69	158075	20.459	ug/l	99
57) 1,3-Dichloropropane	10.71	76	180644	19.622	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	386833	105.107	ug/l	100
59) 2-Hexanone	10.75	43	526163	109.163	ug/l	99
60) Dibromochloromethane	10.90	129	99916	19.394	ug/l	100
61) 1,2-Dibromoethane	11.00	107	99851	20.120	ug/l	100
64) Tetrachloroethene	10.63	164	71693	18.419	ug/l	98
65) Chlorobenzene	11.43	112	271857	19.357	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	100325	19.700	ug/l	99
67) Ethyl Benzene	11.51	91	480487	19.966	ug/l	100
68) m/p-Xylenes	11.62	106	348452	38.445	ug/l	97
69) o-Xylene	11.95	106	172496	19.355	ug/l	99
70) Styrene	11.97	104	305500	19.895	ug/l	100
71) Bromoform	12.13	173	62574	18.976	ug/l #	97
73) Isopropylbenzene	12.25	105	496052	20.866	ug/l	99
74) N-amyl acetate	12.07	43	214151	21.533	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	167806	21.079	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	151948m	22.354	ug/l	
77) Bromobenzene	12.53	156	117238	19.605	ug/l	99
78) n-propylbenzene	12.60	91	574896	21.281	ug/l	100
79) 2-Chlorotoluene	12.68	91	343516	20.347	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	422915	21.038	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37474	20.291	ug/l	93
82) 4-Chlorotoluene	12.78	91	354899	19.998	ug/l	99
83) tert-Butylbenzene	13.00	119	373374	20.827	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	426381	21.313	ug/l	100
85) sec-Butylbenzene	13.18	105	499639	21.313	ug/l	100
86) p-Isopropyltoluene	13.29	119	439353	21.081	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	217627	19.925	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	222047	19.913	ug/l	99
89) n-Butylbenzene	13.62	91	393764	19.928	ug/l	99
90) Hexachloroethane	13.88	117	65872	19.829	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	221412	20.209	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	28763	20.069	ug/l	99

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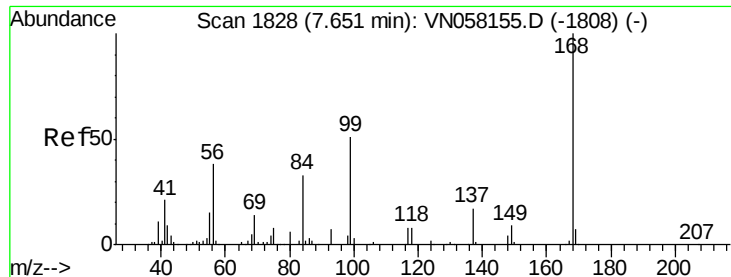
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	133992	19.141	ug/l	98
94) Hexachlorobutadiene	15.02	225	65791	19.445	ug/l	95
95) Naphthalene	15.13	128	372856	20.553	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	130065	19.658	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

Tot Ion:168 Resp: 518221

Ion Ratio Lower Upper

168 100

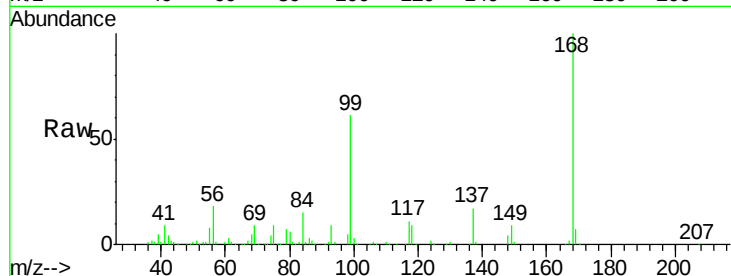
99 60.0 47.4 71.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

250000

200000

150000

100000

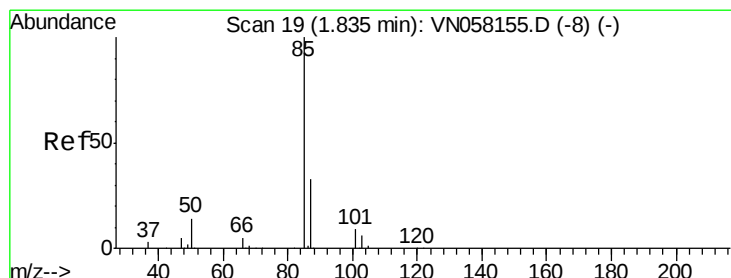
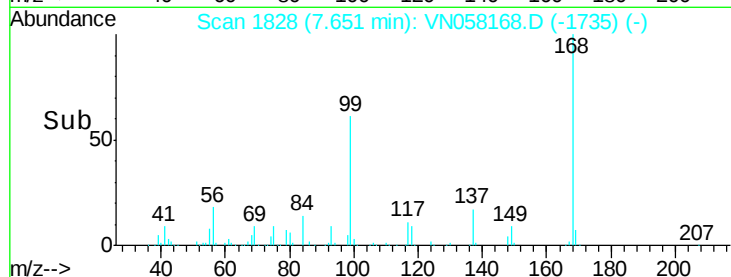
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.906 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058168.D

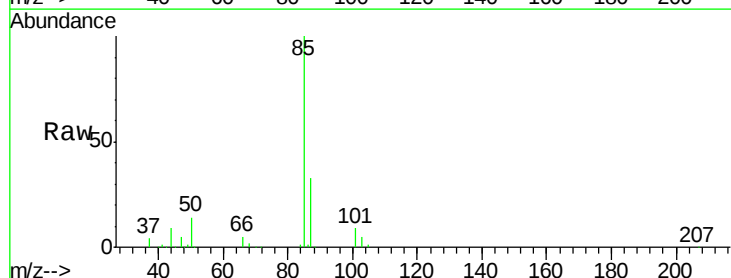
Acq: 18 Sep 2019 17:36

Tgt Ion: 85 Resp: 80485

Ion Ratio Lower Upper

85 100

87 33.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

40000

20000

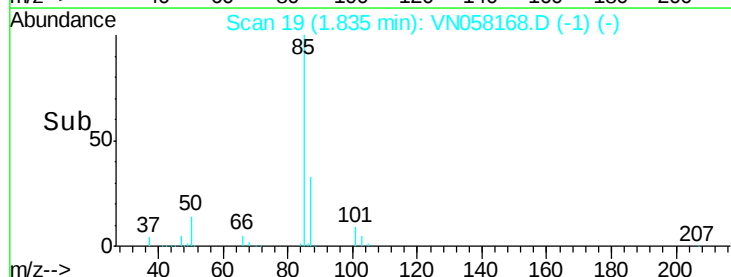
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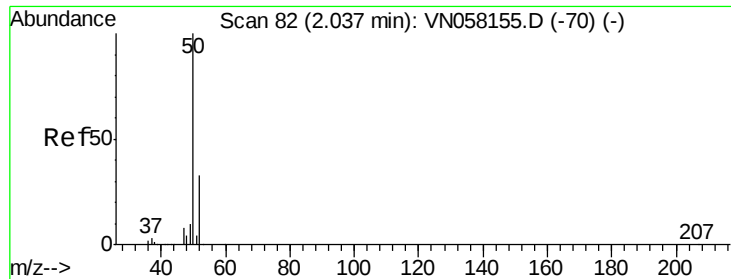
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 20.409 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

Tot Ion: 50 Resp: 68976

Ion Ratio Lower Upper

50 100

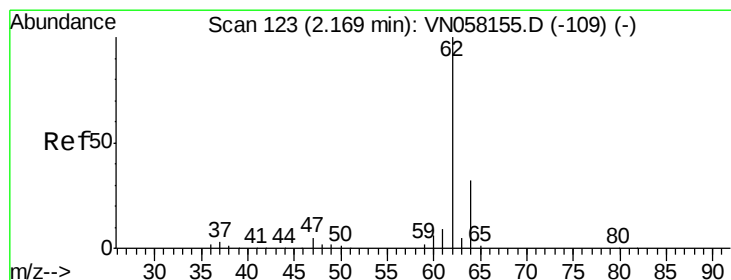
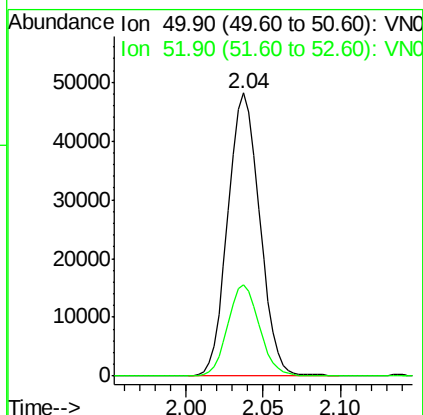
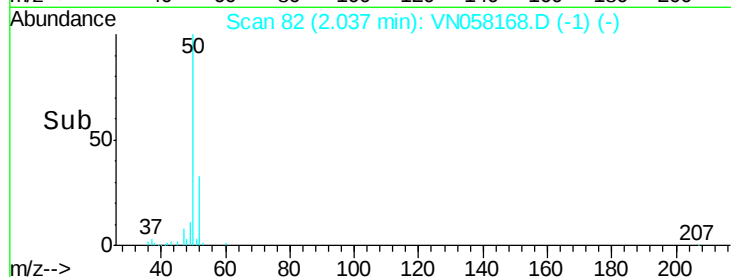
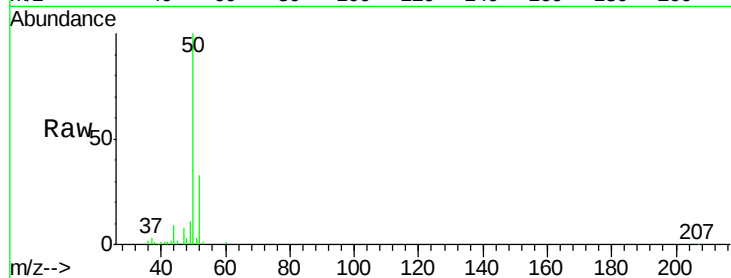
52 32.5 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.964 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058168.D

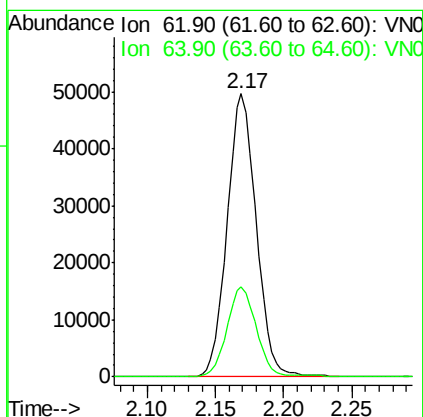
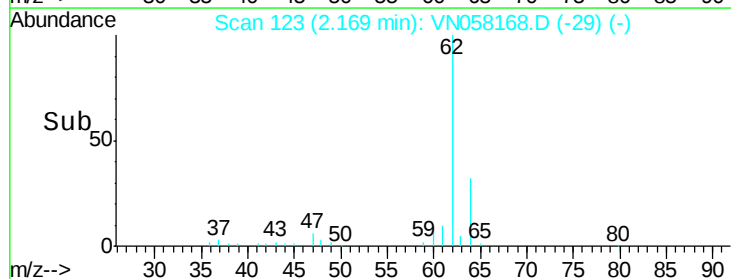
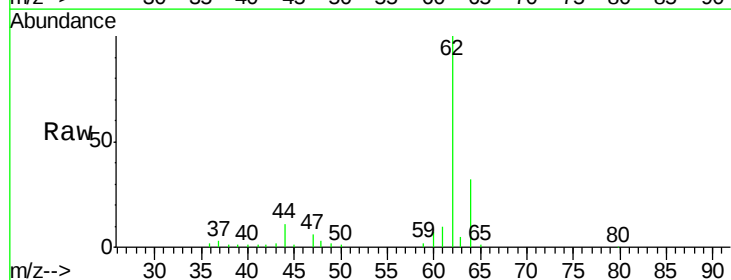
Acq: 18 Sep 2019 17:36

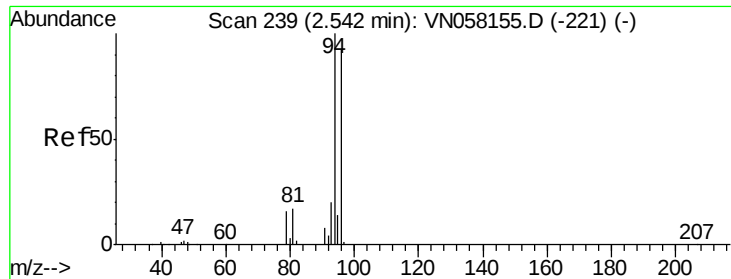
Tgt Ion: 62 Resp: 73588

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2





#5

Bromomethane

Concen: 21.281 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 39623

Ion Ratio Lower Upper

94 100

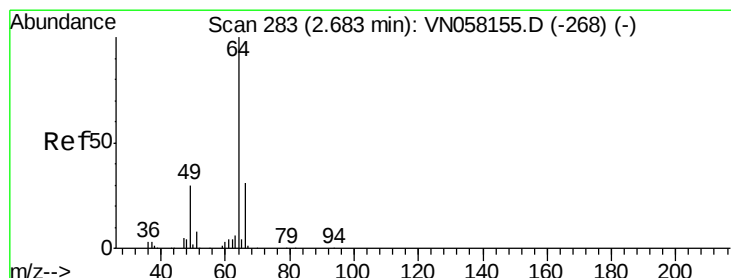
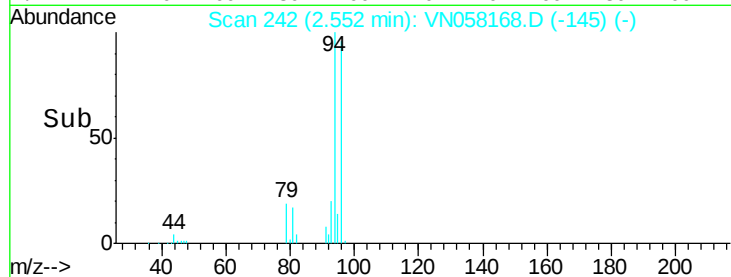
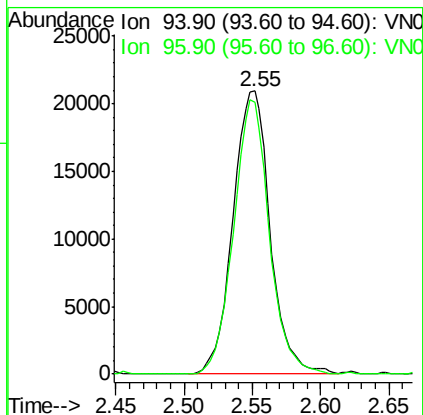
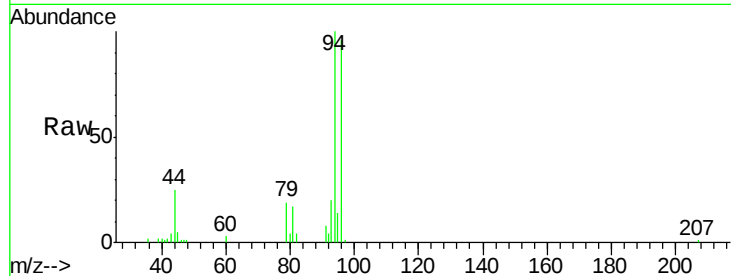
96 96.1 73.3 109.9

Manual Integrations

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#6

Chloroethane

Concen: 20.258 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058168.D

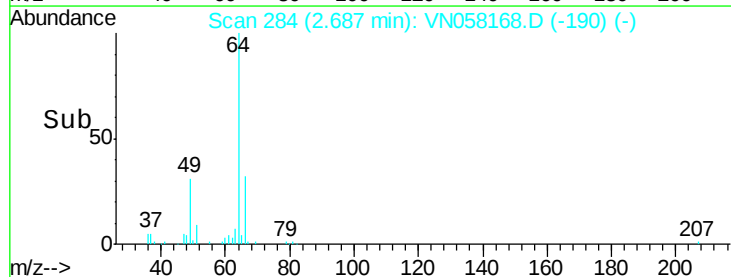
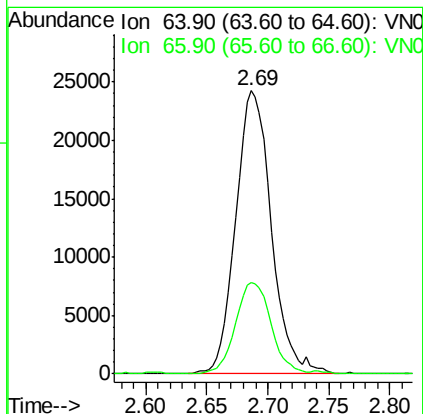
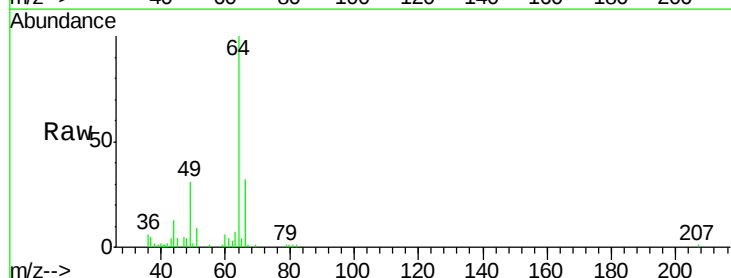
Acq: 18 Sep 2019 17:36

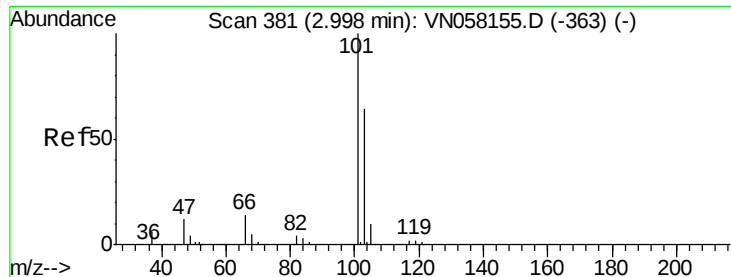
Tgt Ion: 64 Resp: 48959

Ion Ratio Lower Upper

64 100

66 32.4 24.6 37.0





#7

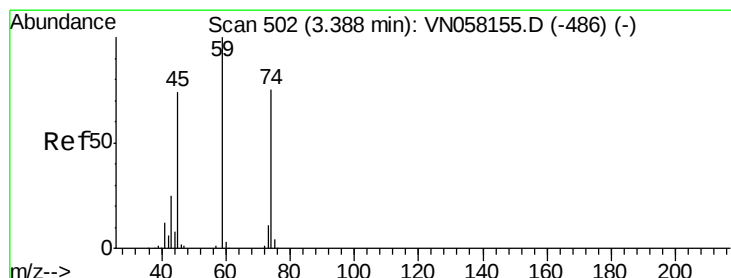
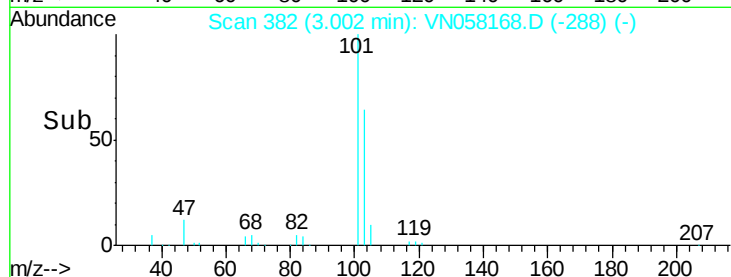
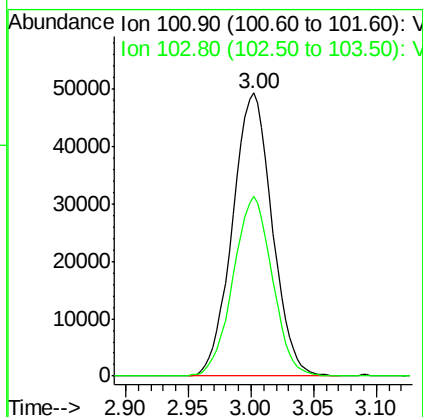
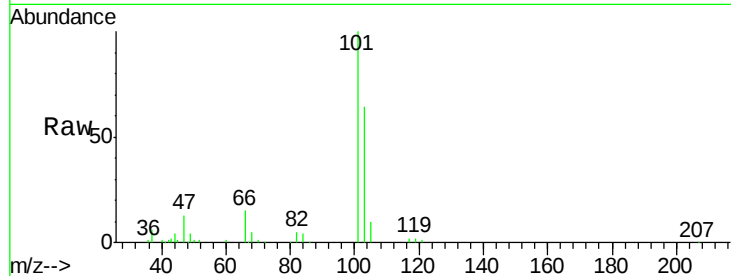
Trichlorofluoromethane
Concen: 18.678 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN058168.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	108534		
103	63.5	51.0	76.6	

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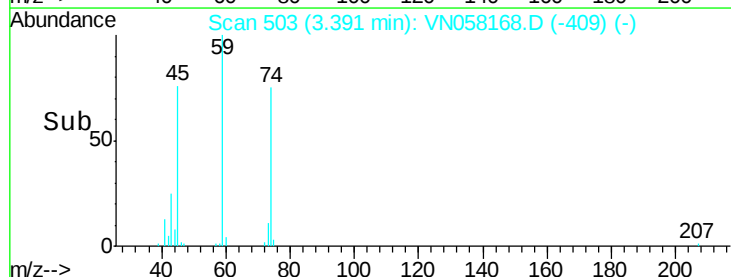
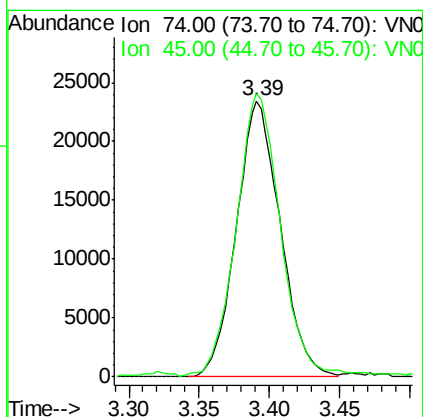
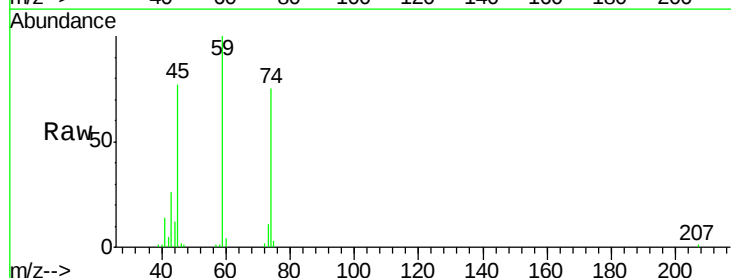
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#8

Diethyl Ether
Concen: 19.163 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058168.D
Acq: 18 Sep 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	51020		
45	103.5	48.5	145.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.719 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

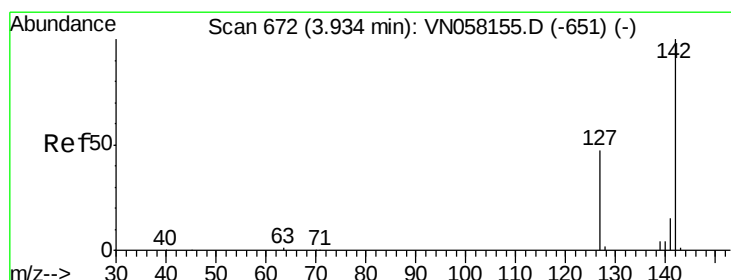
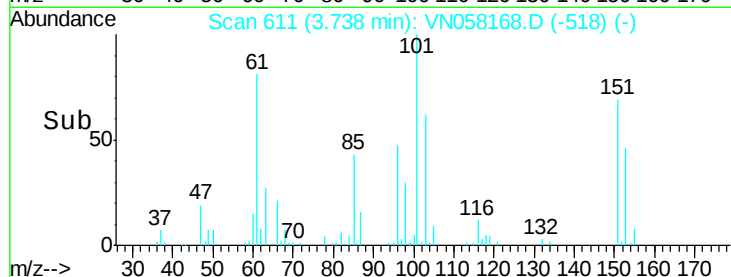
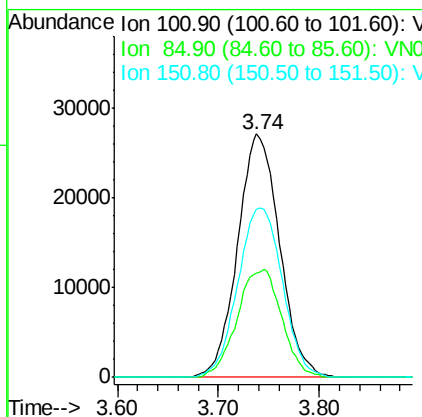
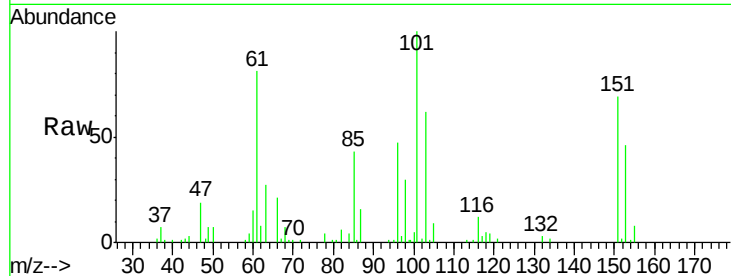
ClientSampleId :

VN0918WBS01

Tot Ion:	101	Resp:	78421
Ion Ratio	Lower	Upper	
101	100		
85	46.9	37.3	55.9
151	74.0	59.6	89.4

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#10

Methyl Iodide

Concen: 19.101 ug/l

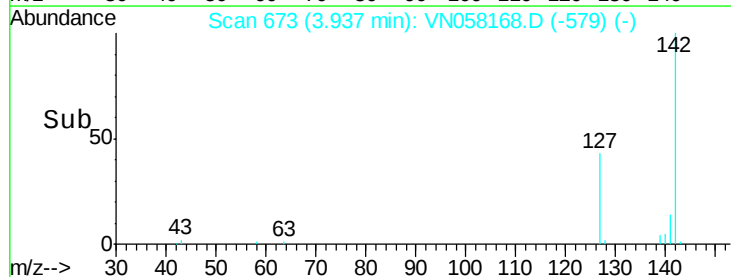
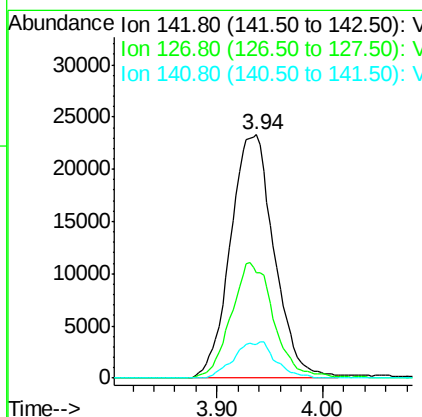
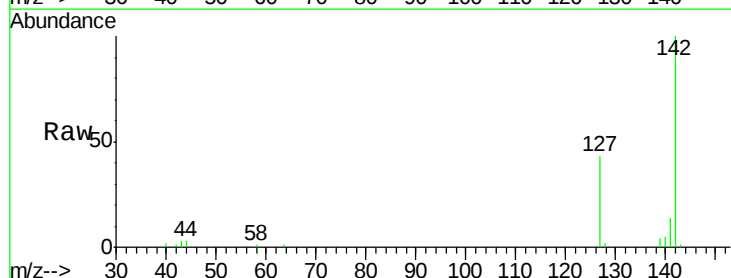
RT: 3.94 min Scan# 673

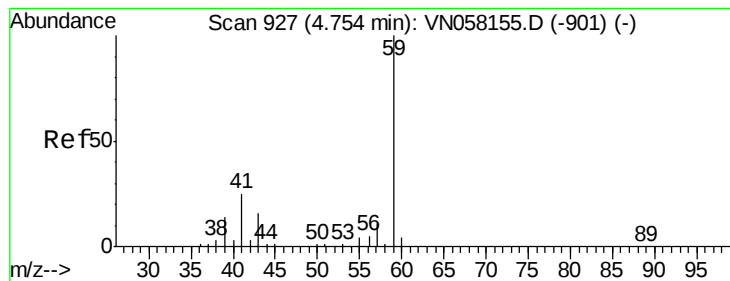
Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Tgt Ion:	142	Resp:	67054
Ion Ratio	Lower	Upper	
142	100		
127	46.2	37.5	56.3
141	8.1	11.4	17.2#





#11

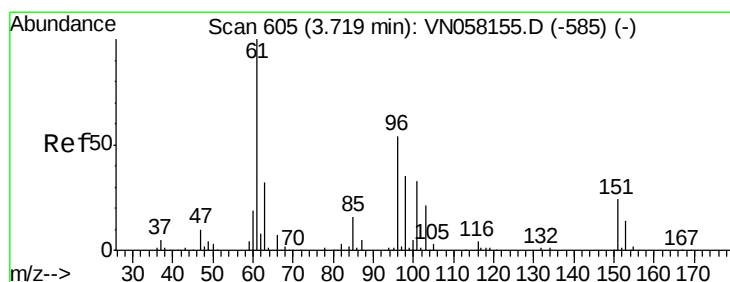
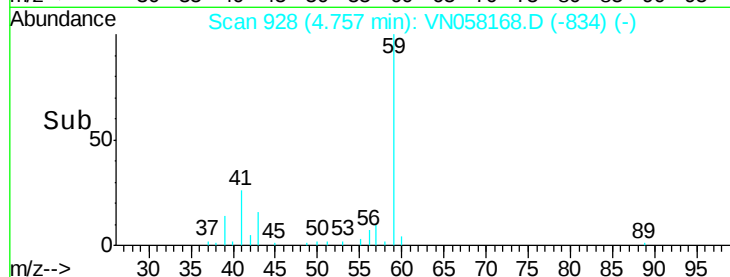
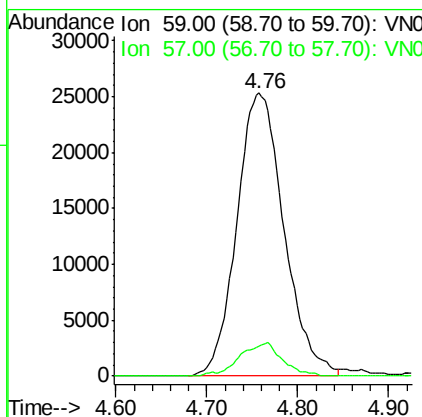
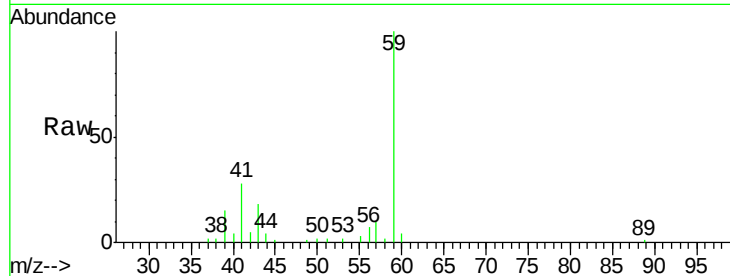
Tert butyl alcohol
 Concen: 106.116 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058168.D
 Acq: 18 Sep 2019 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.6	13.0

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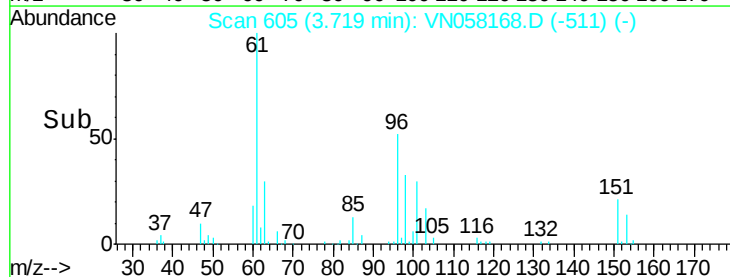
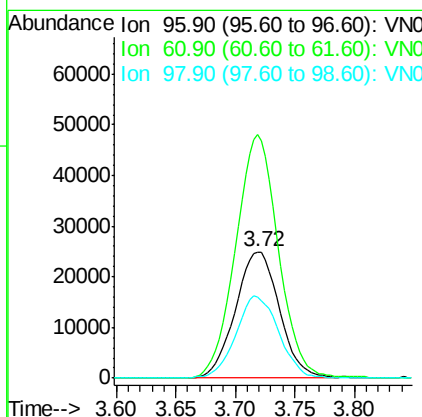
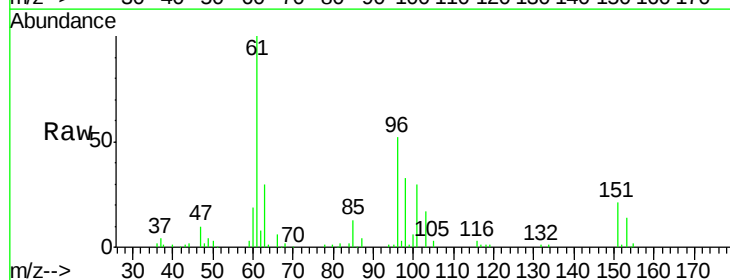
MMDadoda
 9/20/2019 1:43:53 PM



#12

1,1-Dichloroethene
 Concen: 19.897 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058168.D
 Acq: 18 Sep 2019 17:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	192.5	149.5	224.3
98	63.8	52.4	78.6





#13

Acrolein

Concen: 138.866 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

Tot Ion: 56 Resp: 17669

Ion Ratio Lower Upper

56 100

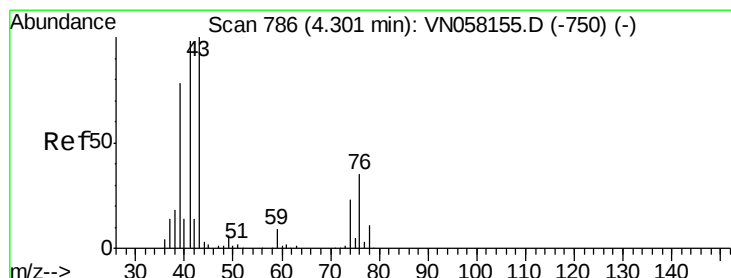
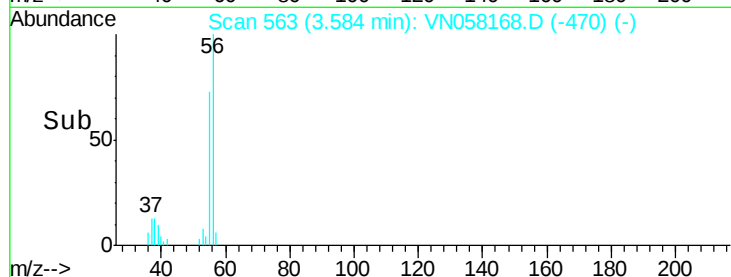
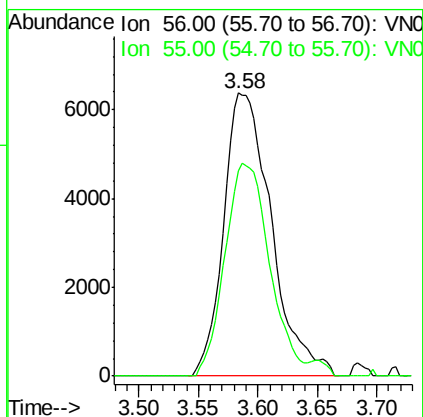
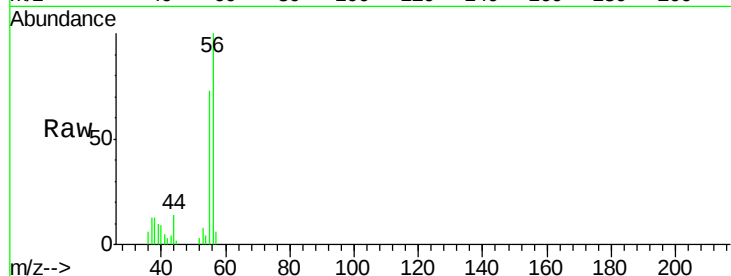
55 70.7 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 18.856 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

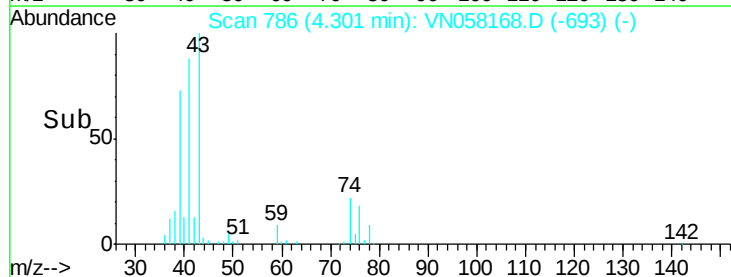
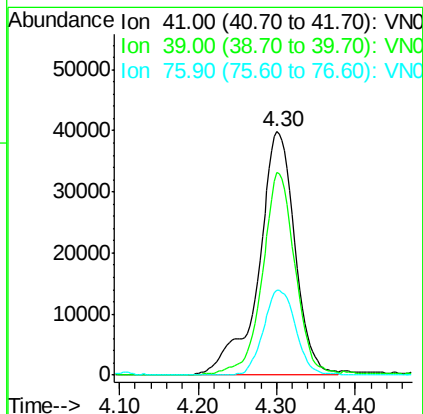
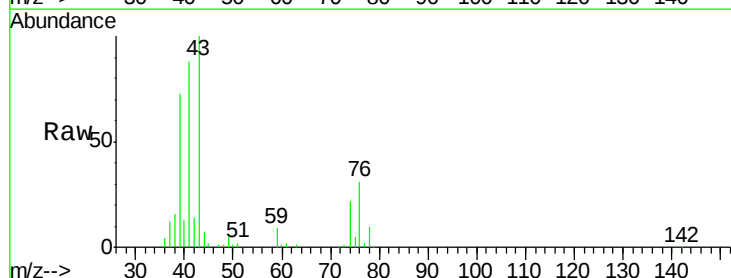
Tgt Ion: 41 Resp: 129262

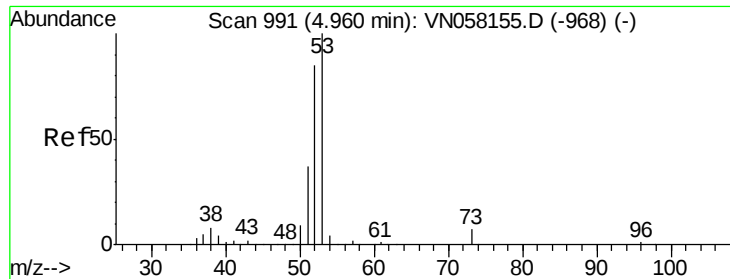
Ion Ratio Lower Upper

41 100

39 74.8 59.1 88.7

76 30.9 25.1 37.7





#15

Acrylonitrile

Concen: 106.740 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

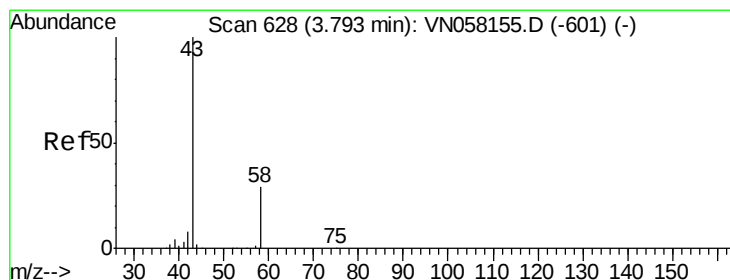
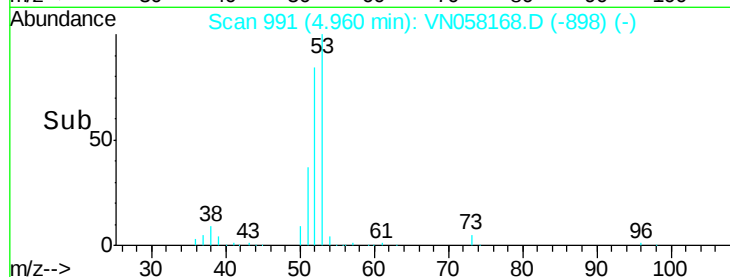
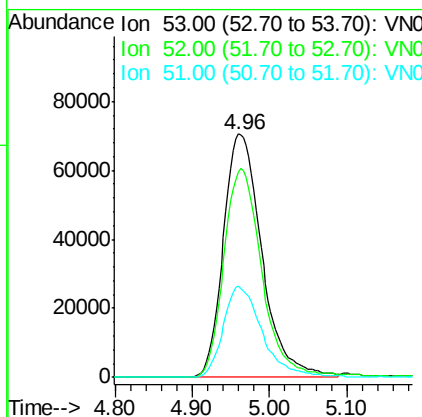
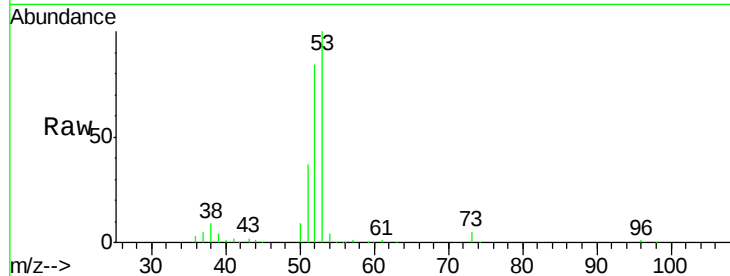
ClientSampleId :

VN0918WBS01

Tot Ion:	53	Resp:	244166
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.6	100.0
51	37.7	29.7	44.5

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#16

Acetone

Concen: 90.261 ug/l

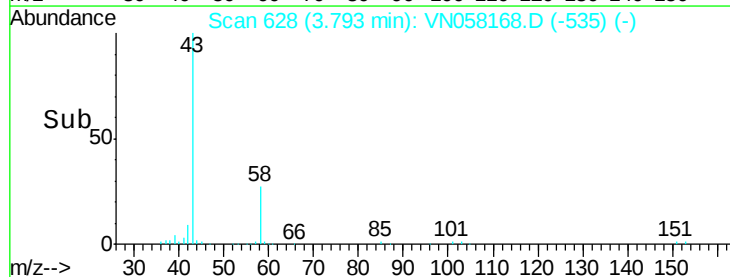
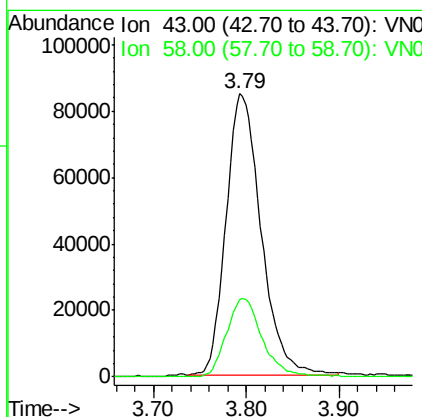
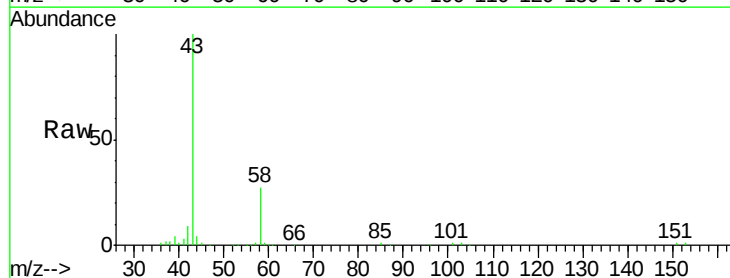
RT: 3.79 min Scan# 628

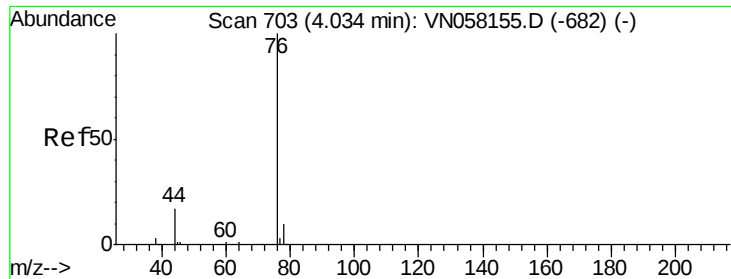
Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Tgt Ion:	43	Resp:	221141
Ion	Ratio	Lower	Upper
43	100		
58	27.4	23.4	35.2





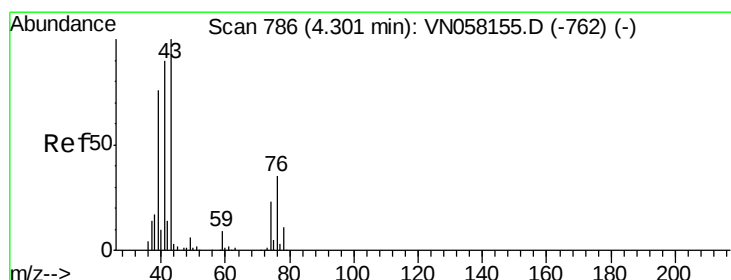
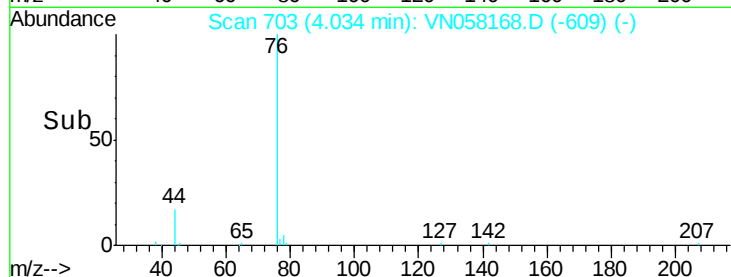
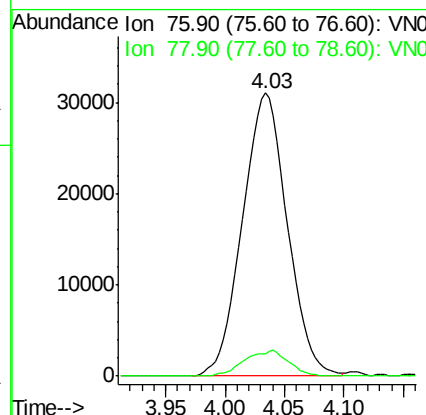
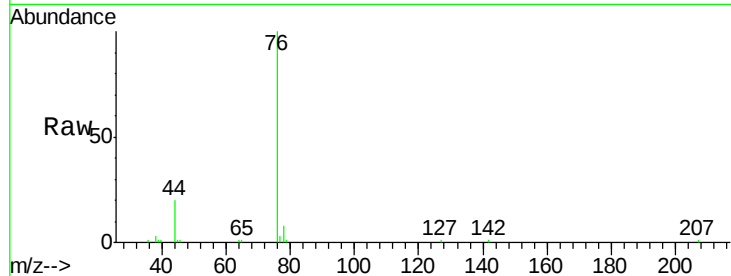
#17
Carbon Disulfide
Concen: 18.286 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058168.D
Acq: 18 Sep 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.7	11.5

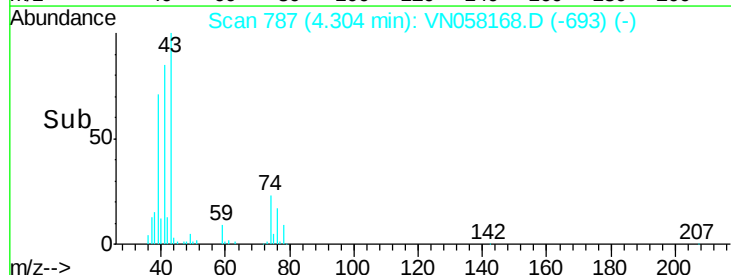
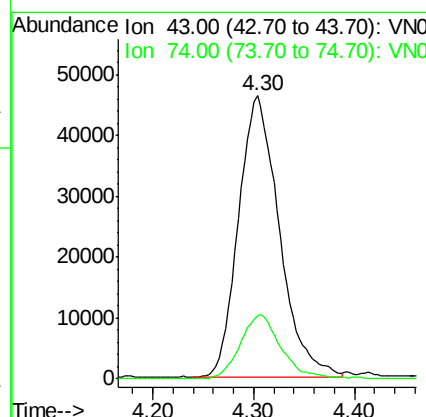
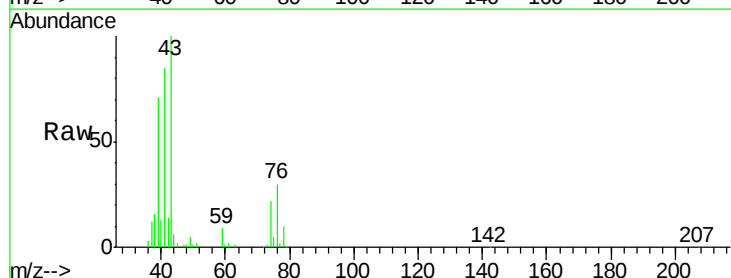
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#18
Methyl Acetate
Concen: 20.151 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058168.D
Acq: 18 Sep 2019 17:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	18.0	27.0





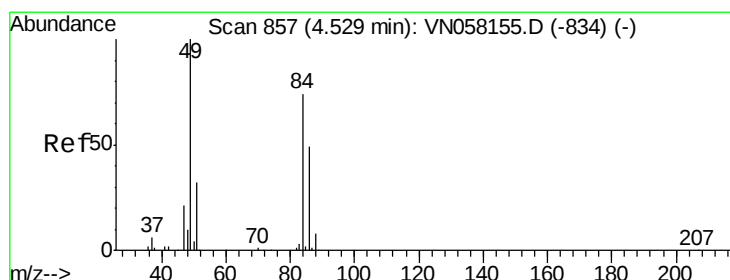
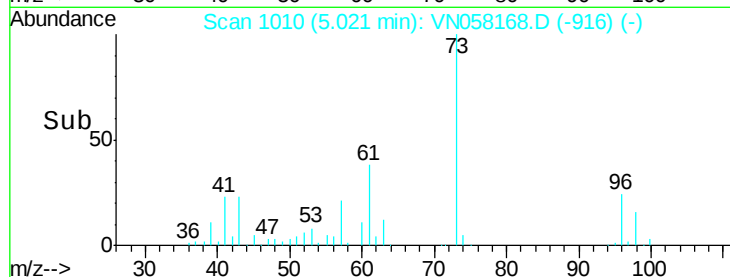
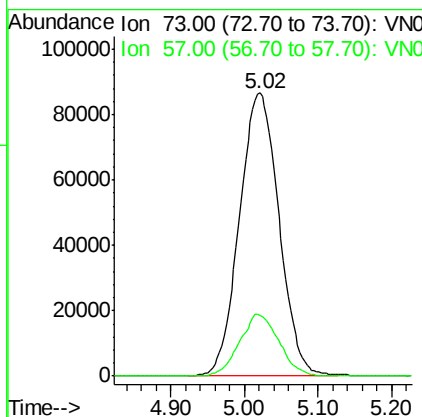
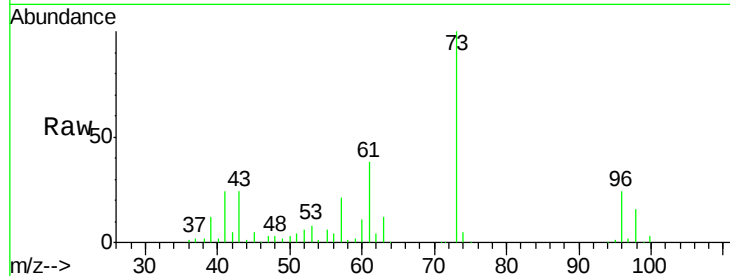
#19
Methvl tert-butvl Ether
Concen: 20.498 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058168.D
Acq: 18 Sep 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

Tot Ion: 73 Resp: 323893
Ion Ratio Lower Upper
73 100
57 21.5 18.1 27.1

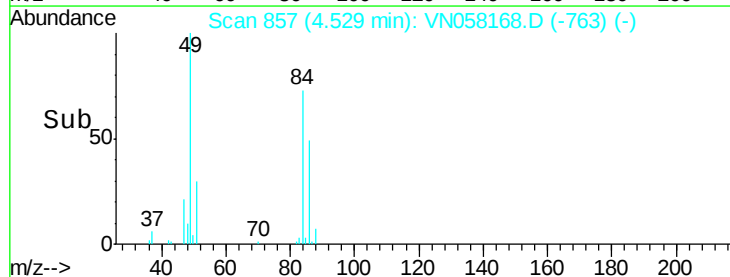
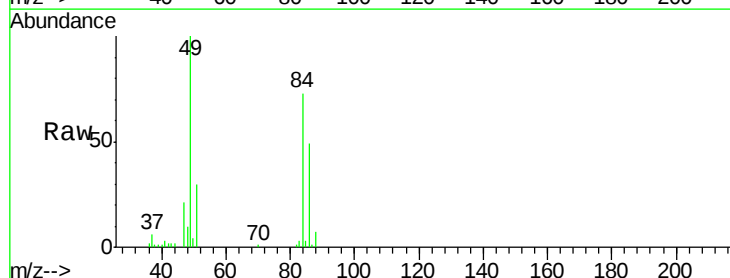
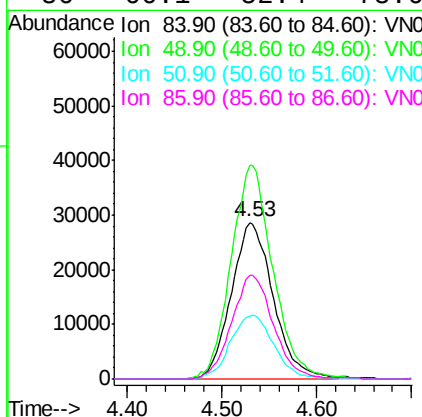
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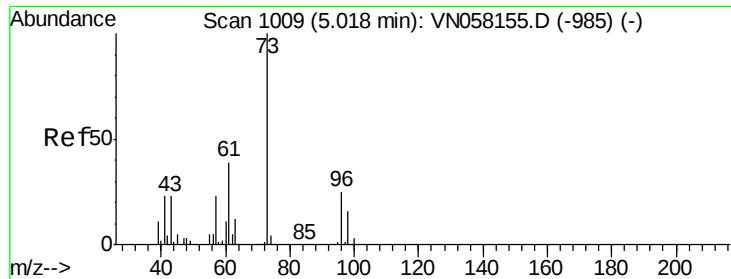
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#20
Methylene Chloride
Concen: 20.451 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058168.D
Acq: 18 Sep 2019 17:36

Tgt Ion: 84 Resp: 88286
Ion Ratio Lower Upper
84 100
49 135.6 107.5 161.3
51 40.4 33.9 50.9
86 66.1 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 19.732 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

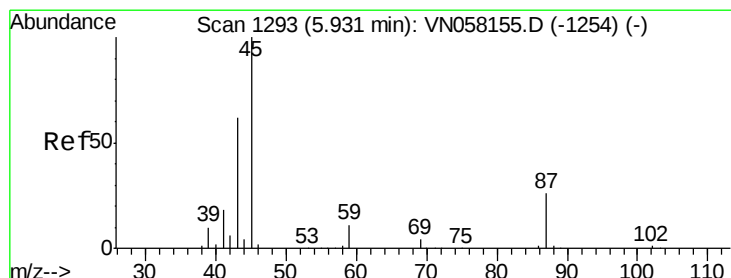
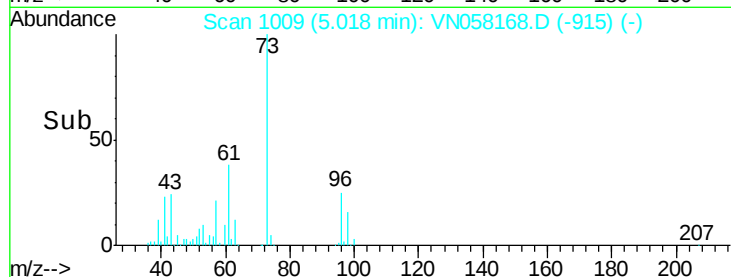
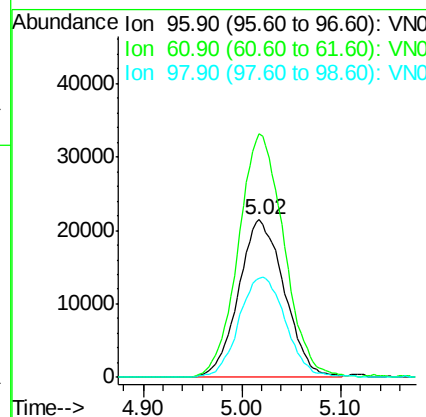
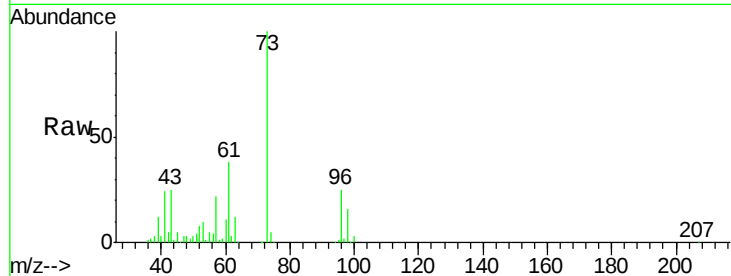
ClientSampleId :

VN0918WBS01

Tot Ion:	96	Resp:	69205
Ion	Ratio	Lower	Upper
96	100		
61	154.4	122.2	183.4
98	62.9	49.9	74.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.517 ug/l

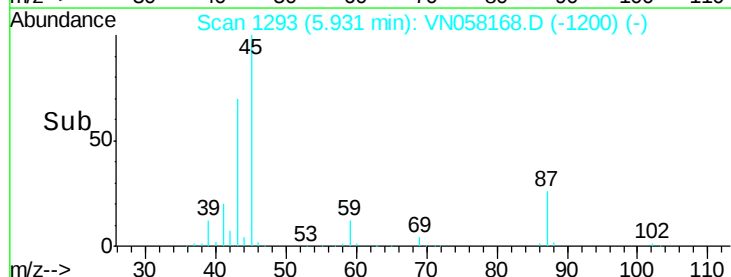
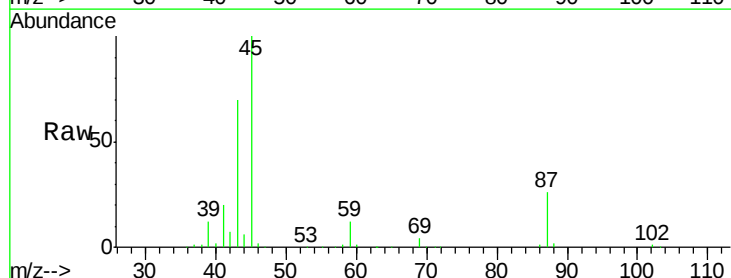
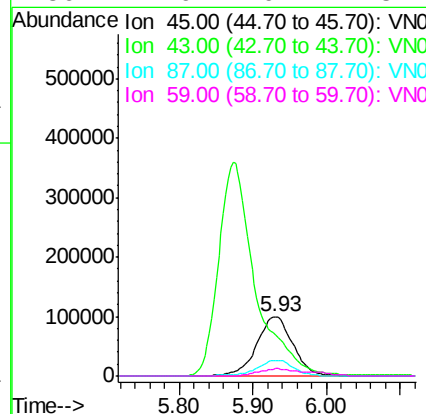
RT: 5.93 min Scan# 1293

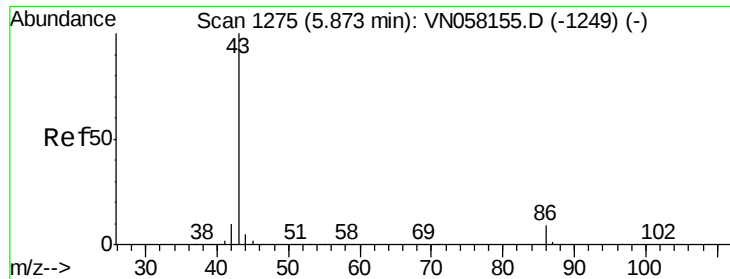
Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Tgt Ion:	45	Resp:	339868
Ion	Ratio	Lower	Upper
45	100		
43	67.7	49.7	74.5
87	25.5	20.7	31.1
59	11.9	9.1	13.7





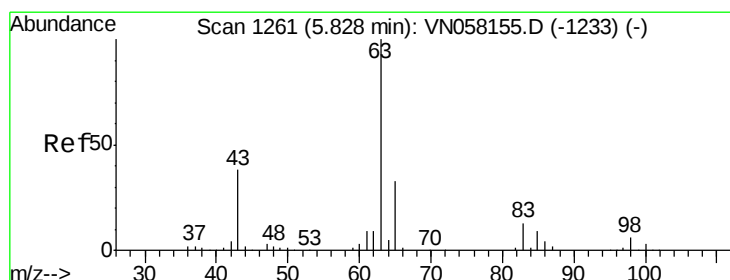
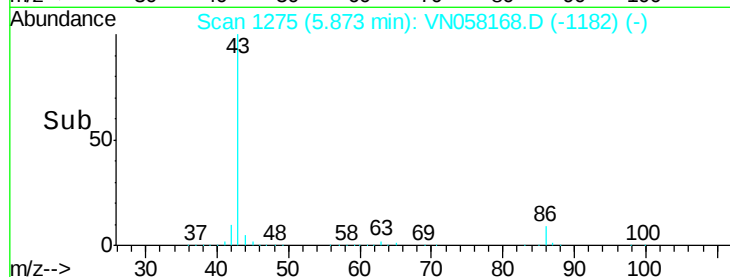
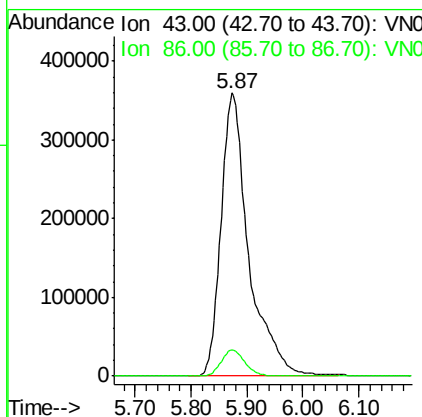
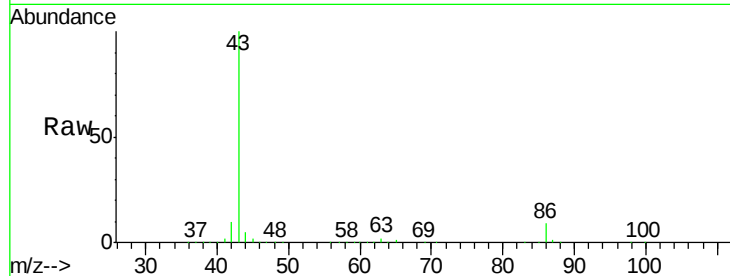
#23
 Vinyl Acetate
 Concen: 104.381 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058168.D
 Acq: 18 Sep 2019 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Tot Ion: 43 Resp: 1243758
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.4 11.2

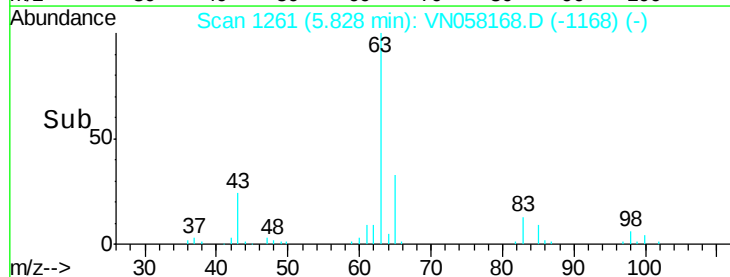
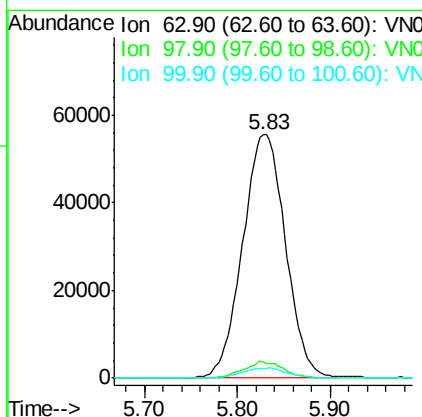
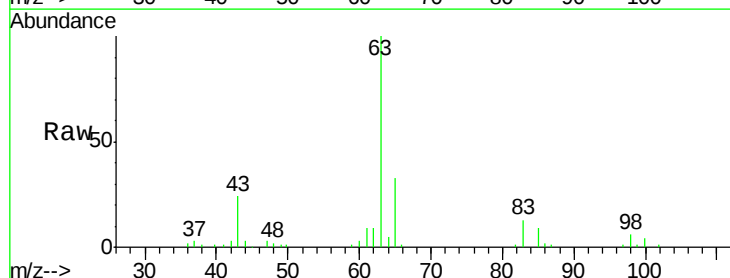
Manual Integrations
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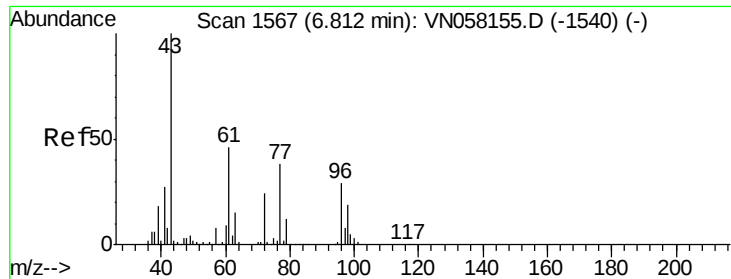
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#24
 1,1-Dichloroethane
 Concen: 19.219 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058168.D
 Acq: 18 Sep 2019 17:36

Tgt Ion: 63 Resp: 178625
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.9 8.6
 100 3.9 1.8 5.3





#25

2-Butanone

Concen: 101.672 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

ClientSampled :

VN0918WBS01

Tot Ion: 43 Resp: 339365

Ion Ratio Lower Upper

43 100

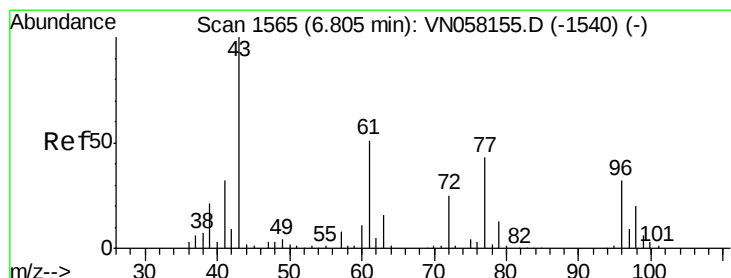
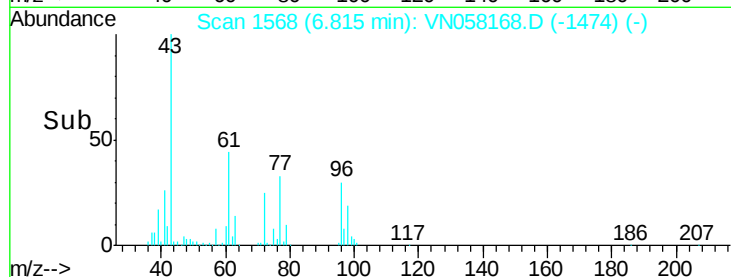
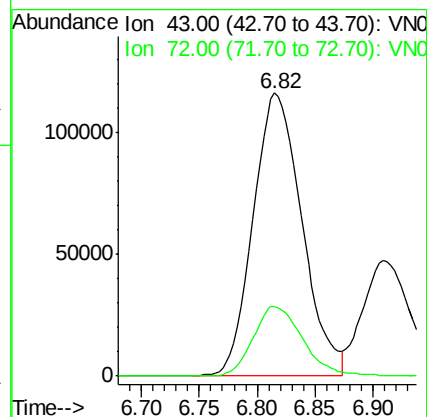
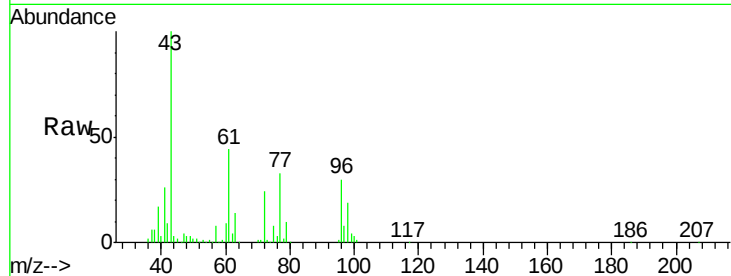
72 24.5 19.5 29.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.564 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058168.D

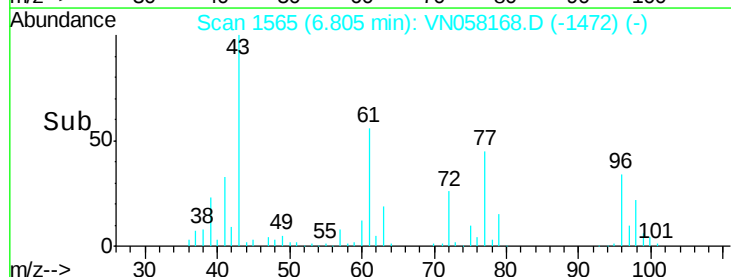
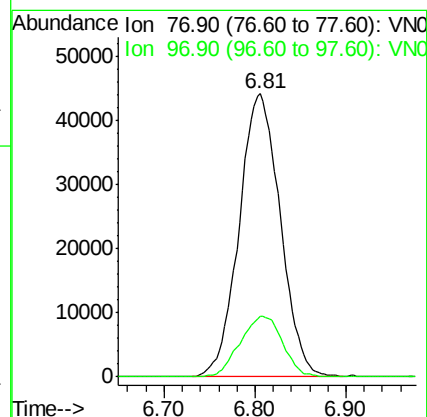
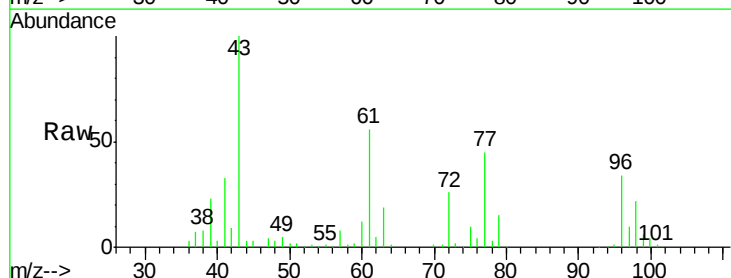
Acq: 18 Sep 2019 17:36

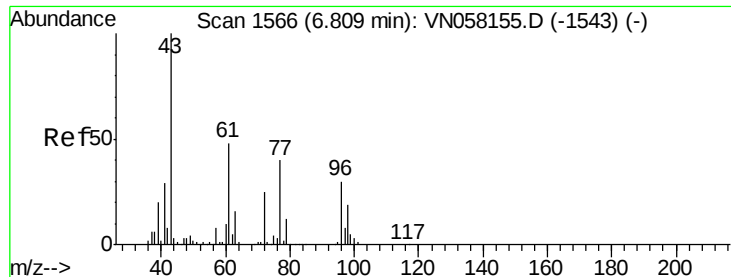
Tgt Ion: 77 Resp: 138488

Ion Ratio Lower Upper

77 100

97 22.1 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 19.588 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

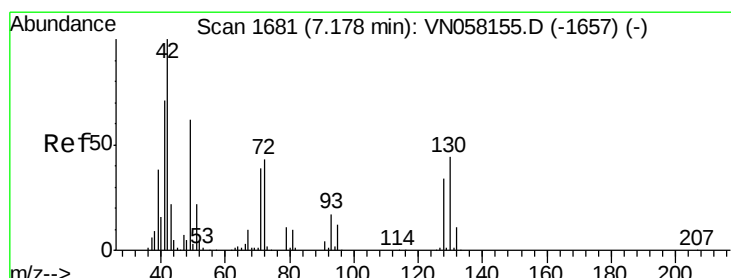
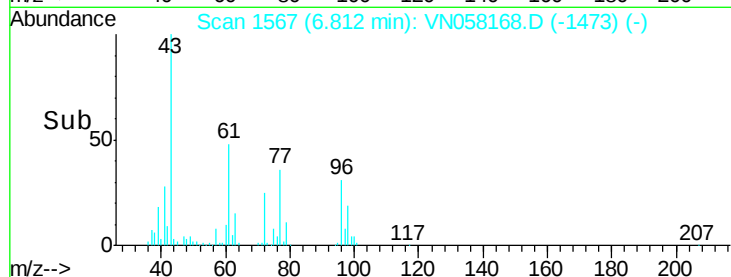
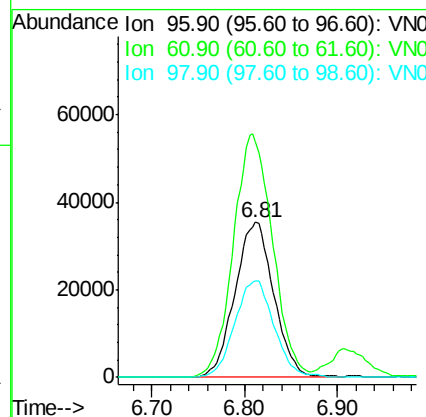
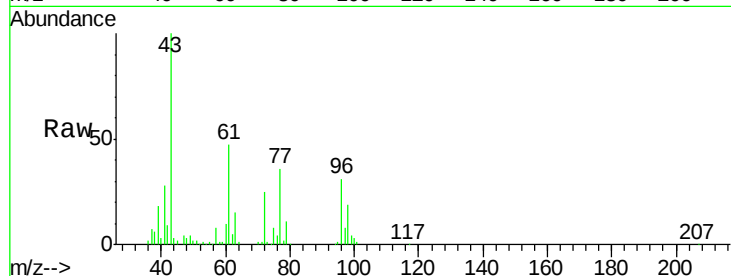
ClientSampleId :

VN0918WBS01

Tot Ion:	96	Resp:	102938
Ion Ratio	Lower	Upper	
96	100		
61	158.1	0.0	319.0
98	63.1	0.0	126.6

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#28

Bromochloromethane

Concen: 22.041 ug/l

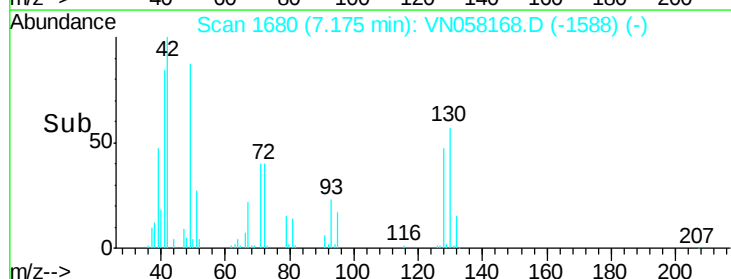
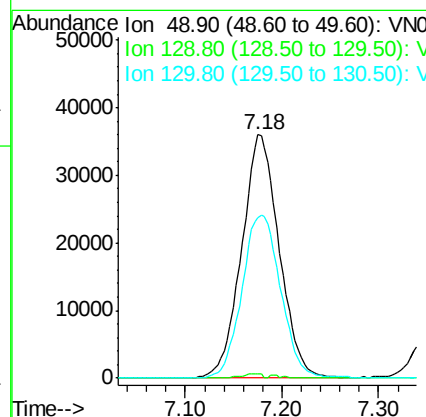
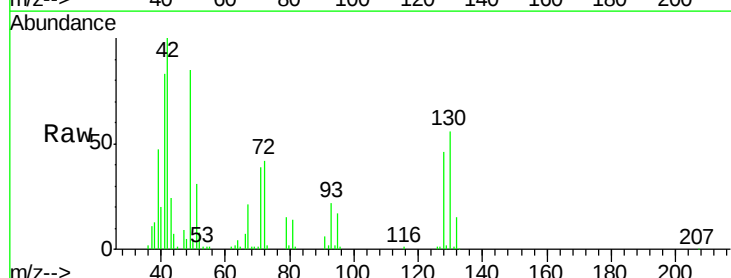
RT: 7.18 min Scan# 1680

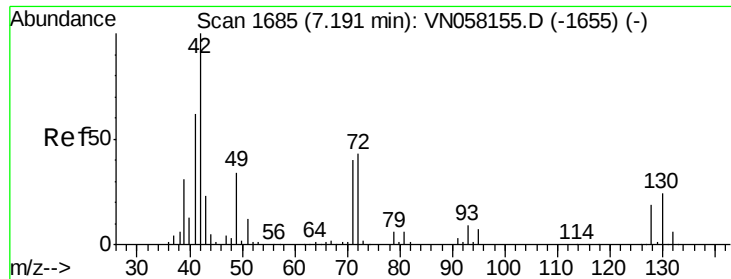
Delta R.T. -0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Tgt Ion:	49	Resp:	96908
Ion Ratio	Lower	Upper	
49	100		
129	0.9	0.0	1.8
130	68.8	55.4	83.2





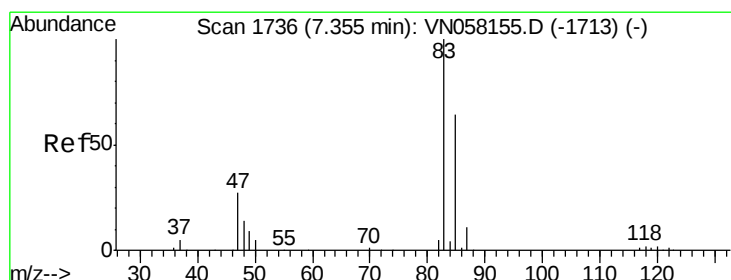
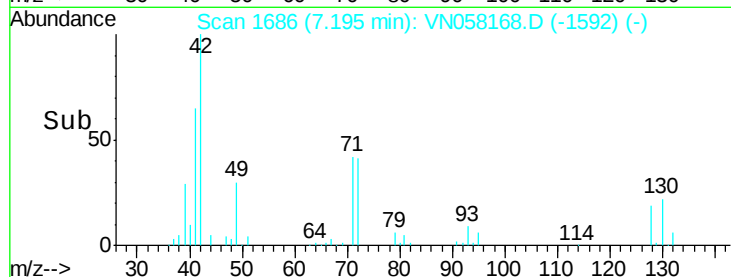
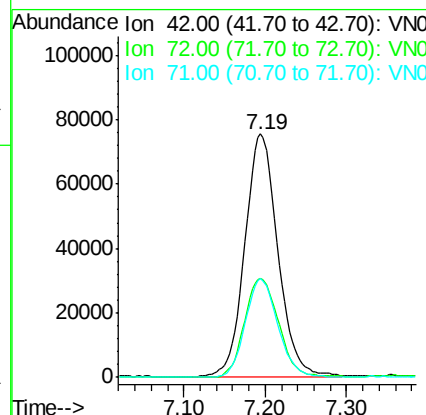
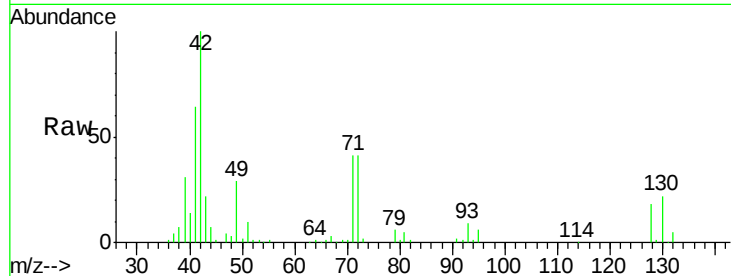
#29
Tetrahydrofuran
Concen: 102.257 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058168.D
Acq: 18 Sep 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.8	50.6
71	40.0	31.4	47.0

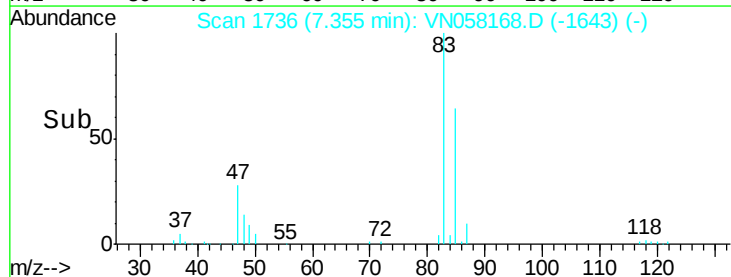
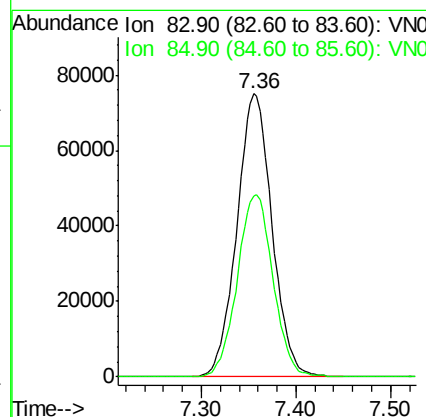
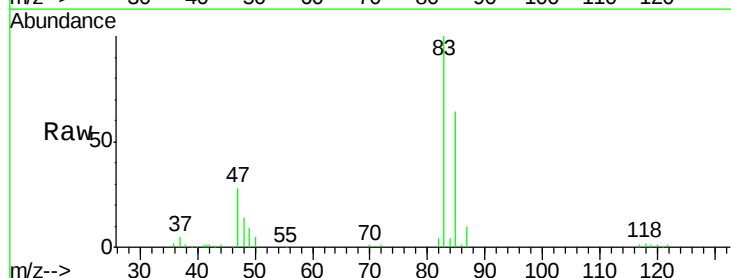
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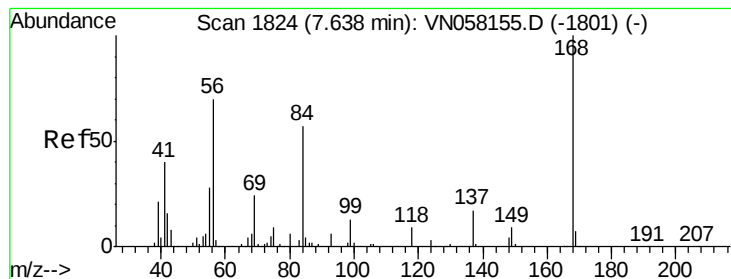
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#30
Chloroform
Concen: 19.372 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058168.D
Acq: 18 Sep 2019 17:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.4	77.2





#31

Cyclohexane

Concen: 18.644 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

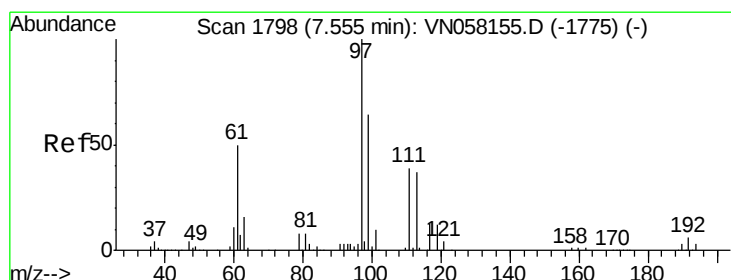
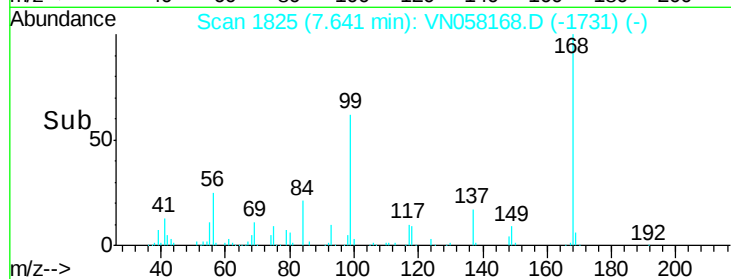
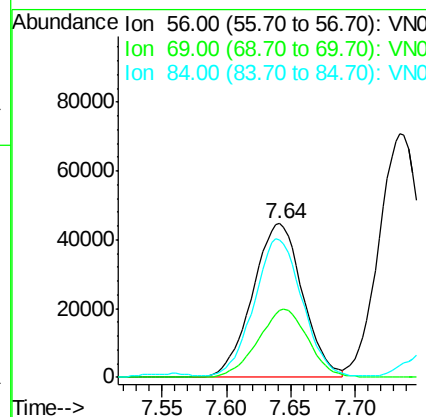
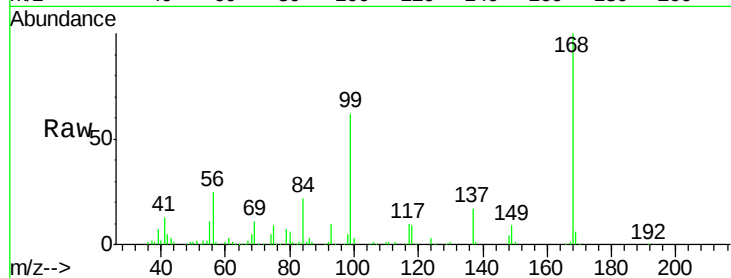
ClientSampleId :

VN0918WBS01

Tot Ion:	56	Resp:	121105
Ion Ratio	Lower	Upper	
56	100		
69	43.4	27.3	40.9#
84	88.1	65.0	97.4

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#32

1,1,1-Trichloroethane

Concen: 19.631 ug/l

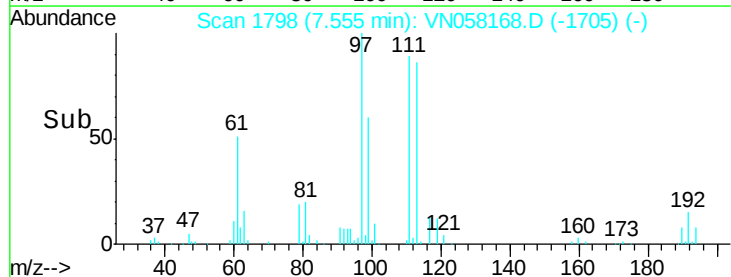
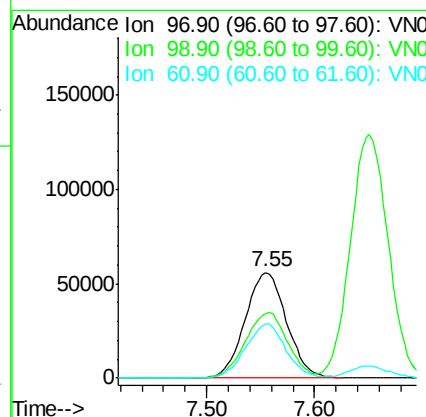
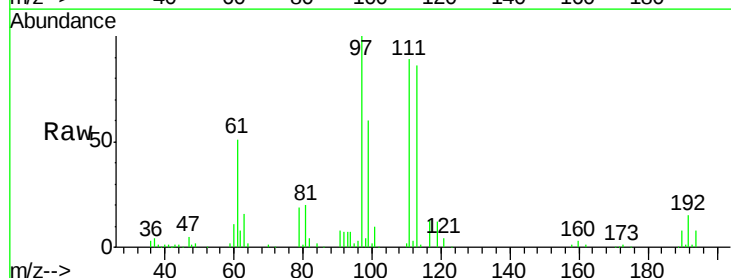
RT: 7.55 min Scan# 1798

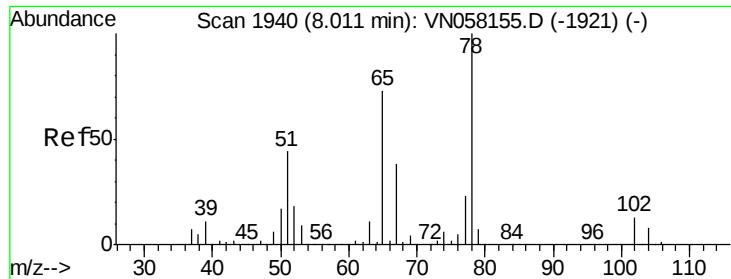
Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Tgt Ion:	97	Resp:	149511
Ion Ratio	Lower	Upper	
97	100		
99	63.3	50.9	76.3
61	50.1	39.2	58.8





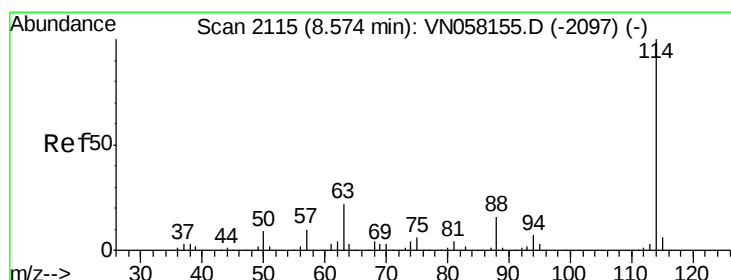
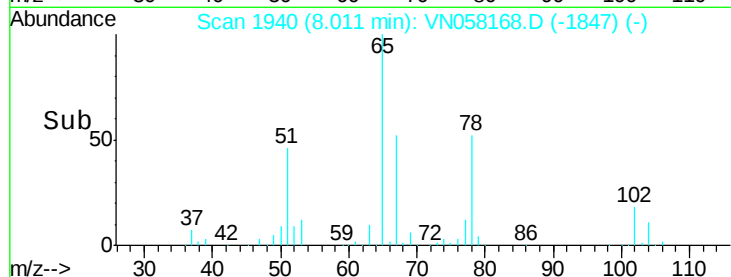
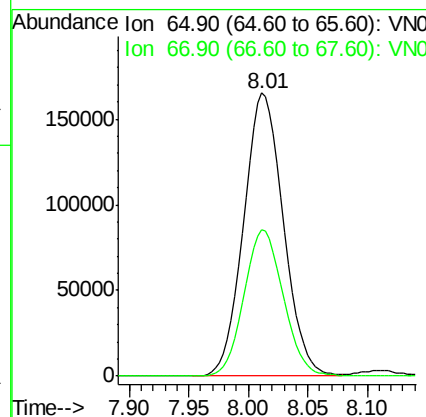
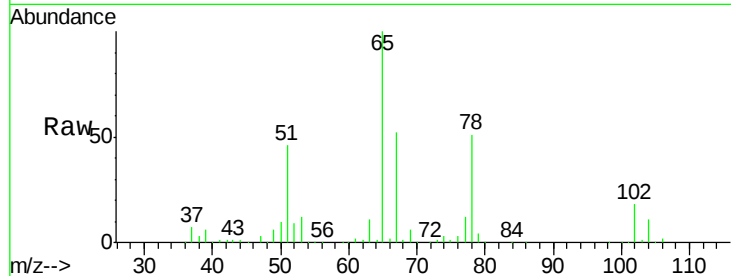
#33
 1,2-Dichloroethane-d4
 Concen: 52.962 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058168.D
 Acq: 18 Sep 2019 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	382271		
67	51.3	0.0	103.4	

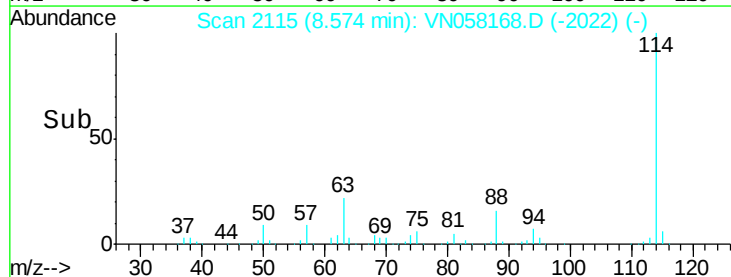
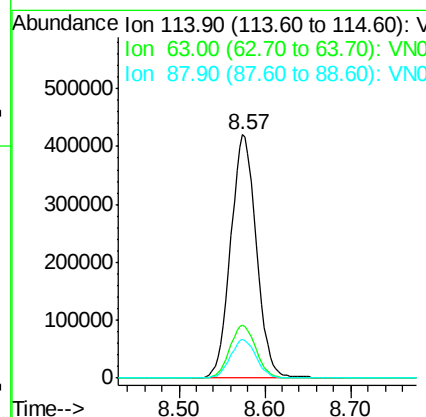
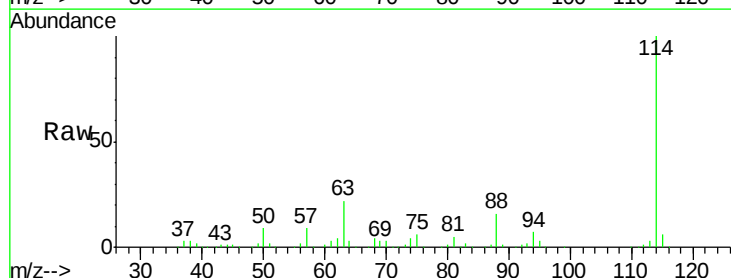
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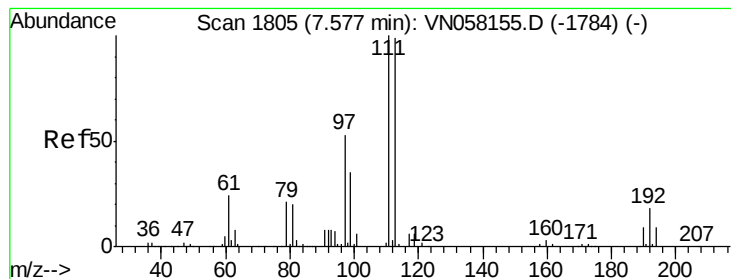
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058168.D
 Acq: 18 Sep 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	874181		
63	21.8	0.0	44.2	
88	16.1	0.0	31.6	





#35

Dibromofluoromethane

Concen: 51.316 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

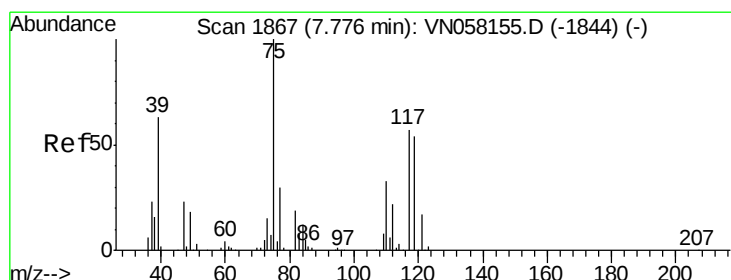
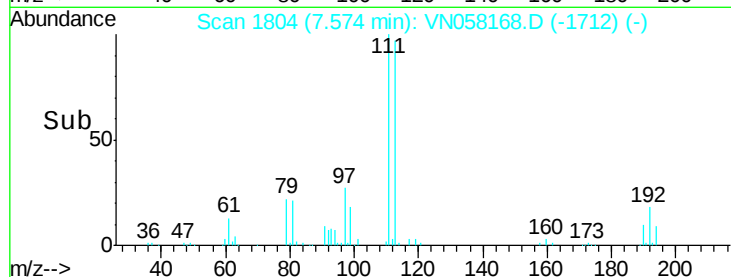
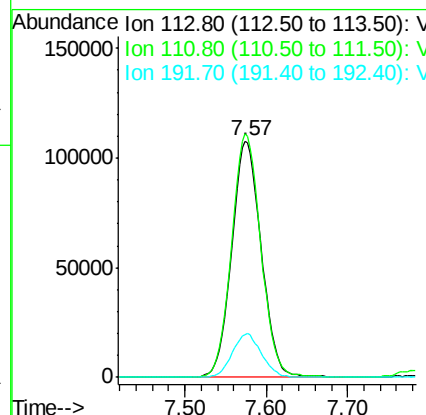
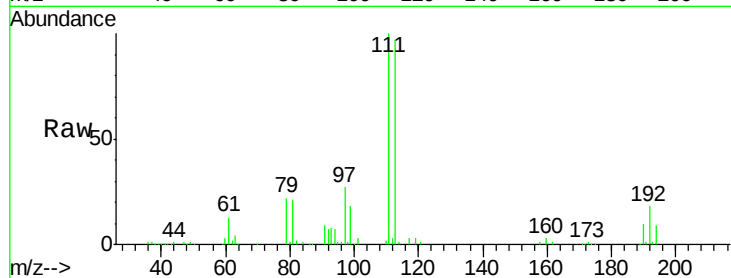
ClientSampleId :

VN0918WBS01

Tot Ion:	113	Resp:	272708
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.8	122.6
192	18.4	14.5	21.7

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#36

1,1-Dichloropropene

Concen: 17.958 ug/l

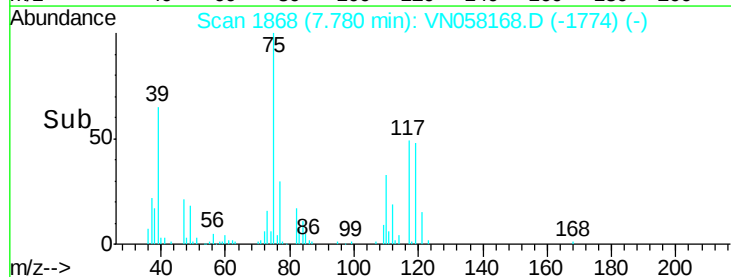
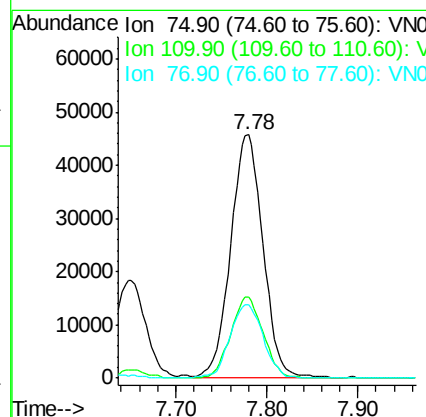
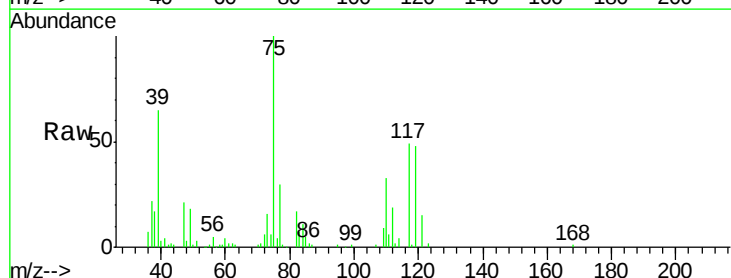
RT: 7.78 min Scan# 1868

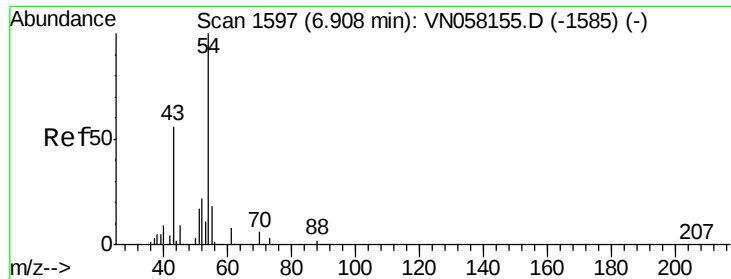
Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Tgt Ion:	75	Resp:	113211
Ion Ratio	Lower	Upper	
75	100		
110	33.2	16.6	49.7
77	31.1	24.3	36.5





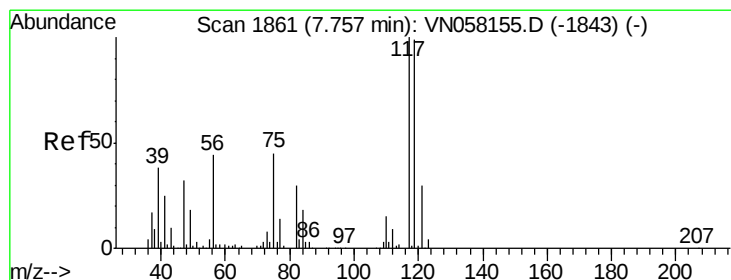
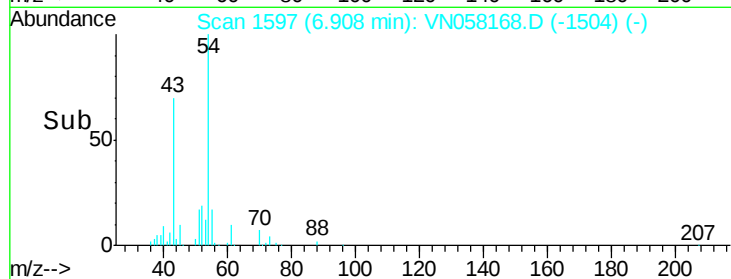
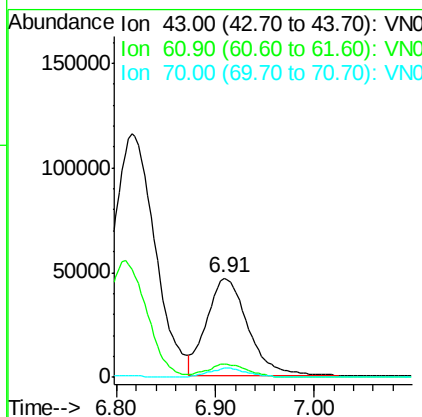
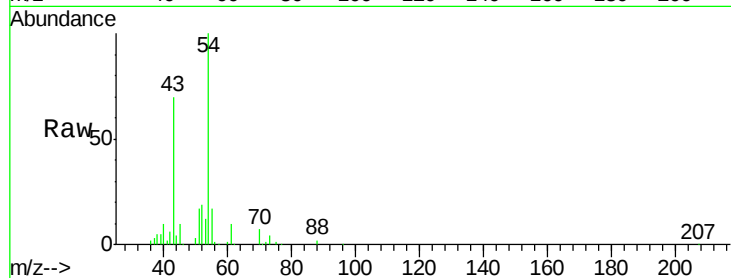
#37
Ethyl Acetate
Concen: 20.899 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058168.D
Acq: 18 Sep 2019 17:36

Instrument :
MSVOA_N
ClientSampled :
VN0918WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.7	16.1
70	9.0	7.6	11.4

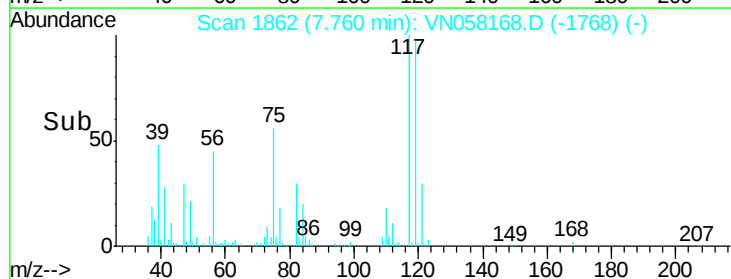
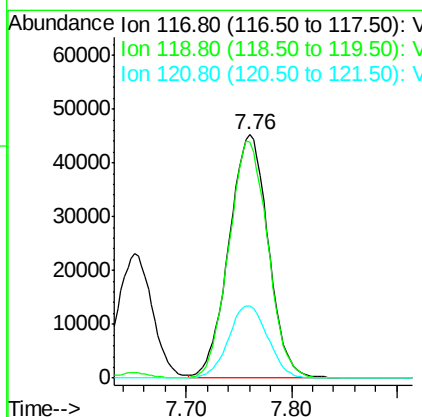
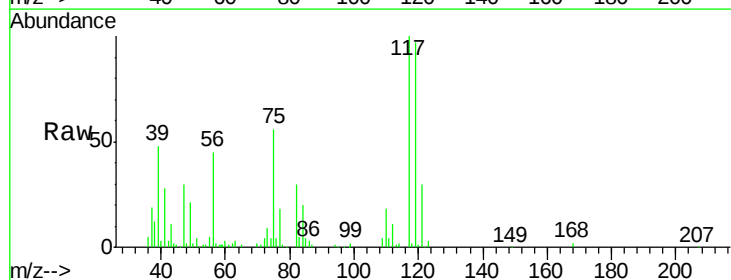
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#38
Carbon Tetrachloride
Concen: 18.500 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058168.D
Acq: 18 Sep 2019 17:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	78.6	117.8
121	29.6	24.1	36.1





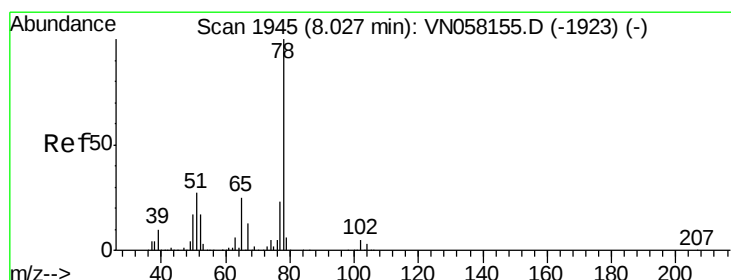
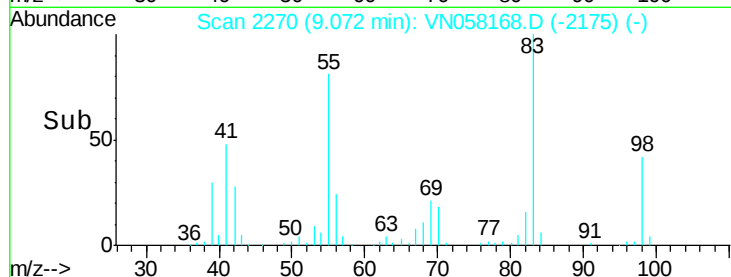
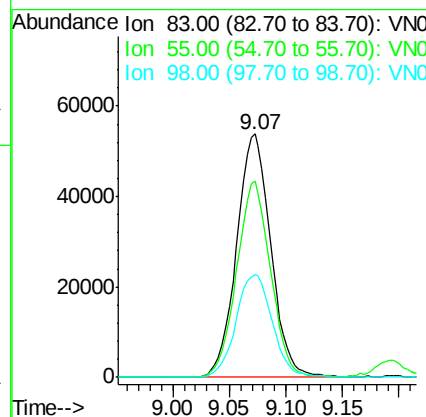
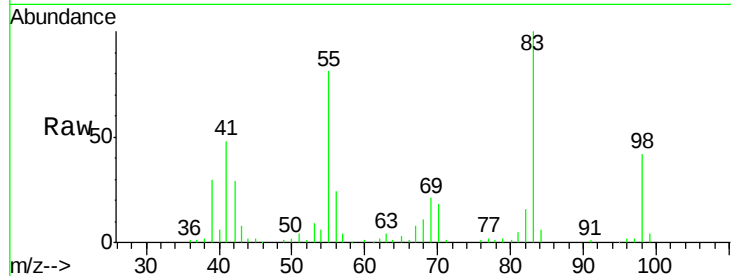
#39
Methvlcvclohexane
Concen: 18.649 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058168.D
Acq: 18 Sep 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

Tot Ion	83.00	Resp	113399
Ion Ratio	Lower	Upper	
83	100		
55	80.5	61.9	92.9
98	42.1	35.4	53.2

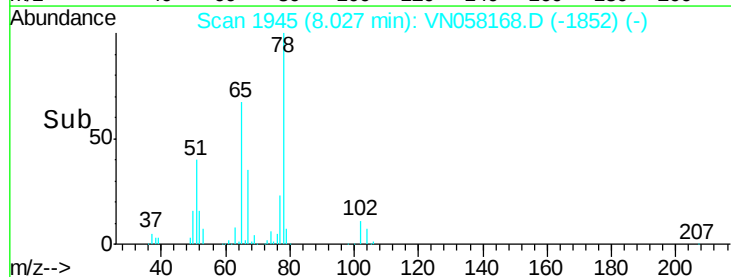
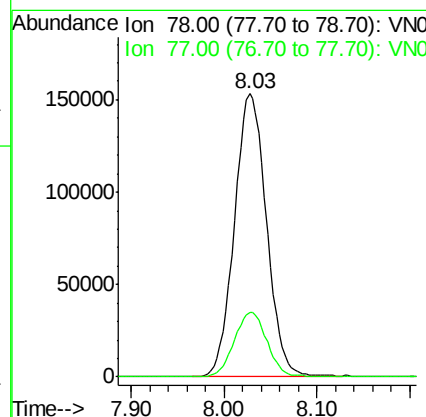
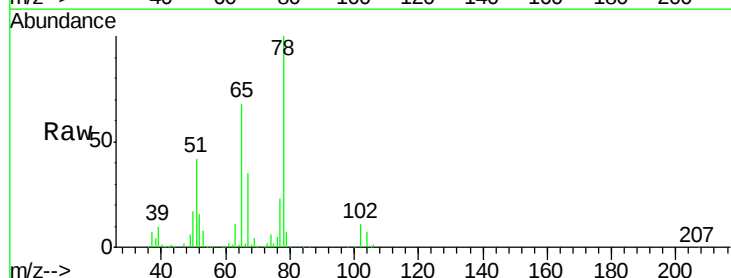
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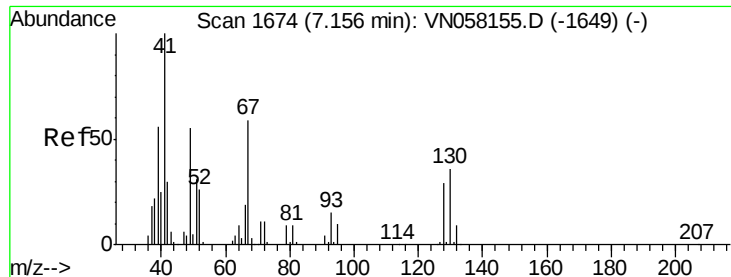
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#40
Benzene
Concen: 19.118 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058168.D
Acq: 18 Sep 2019 17:36

Tgt Ion	78.00	Resp	368111
Ion Ratio	Lower	Upper	
78	100		
77	23.0	18.8	28.2





#41

Methacrylonitrile

Concen: 21.384 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

ClientSampled :

VN0918WBS01

Tot Ion: 41 Resp: 68729

Ion Ratio Lower Upper

41 100

39 54.3 0.0 0.0#

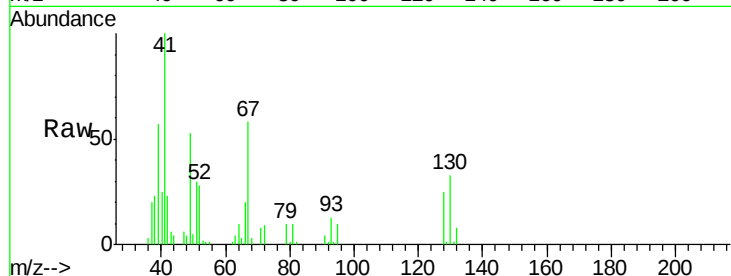
67 79.4 0.0 0.0#

52 36.8 0.0 0.0#

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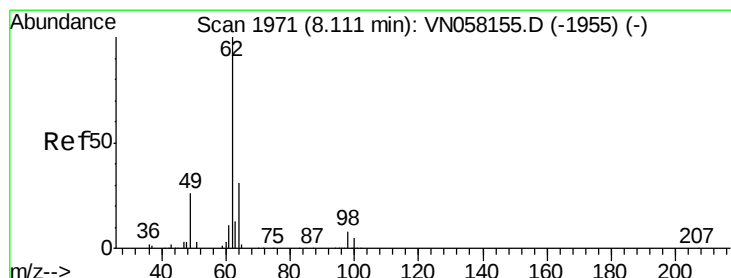
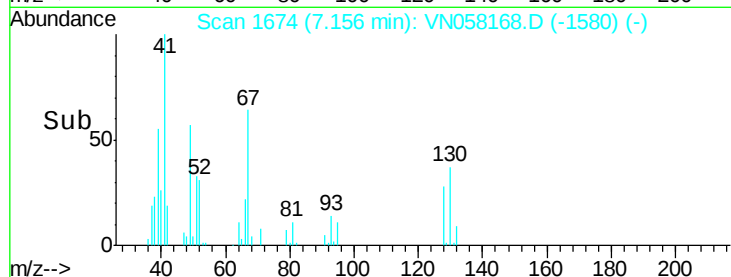
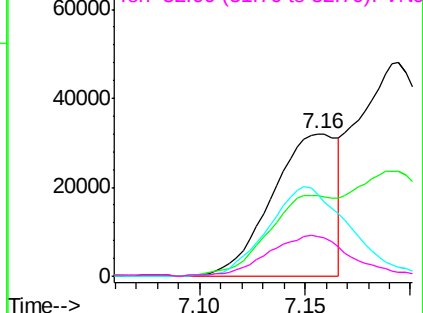


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.302 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN058168.D

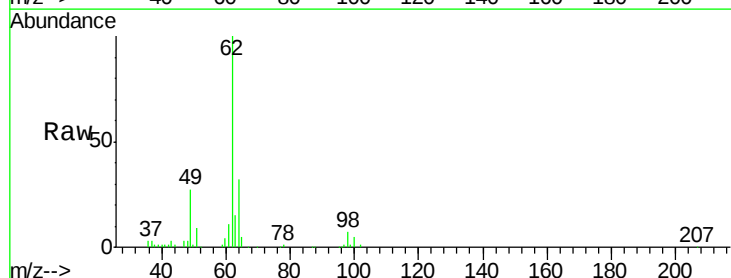
Acq: 18 Sep 2019 17:36

Tgt Ion: 62 Resp: 155954

Ion Ratio Lower Upper

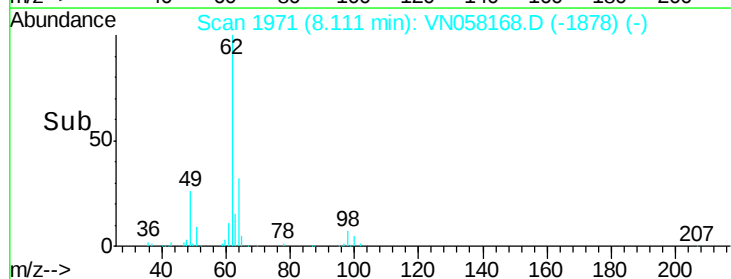
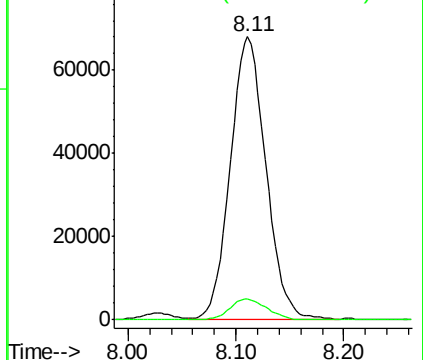
62 100

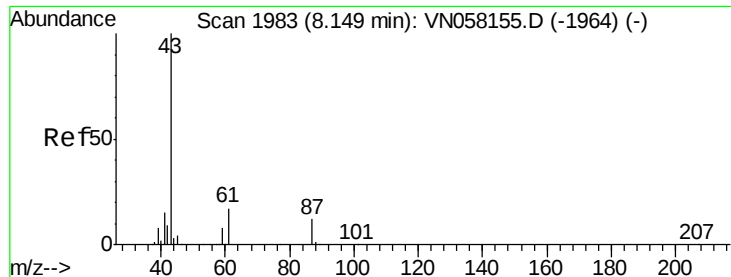
98 7.8 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 21.546 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

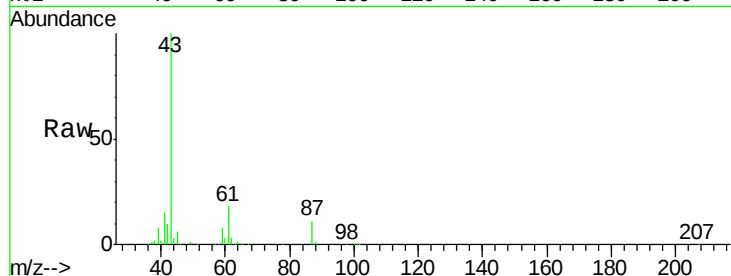
ClientSampleId :

VN0918WBS01

Tot Ion:	43	Resp:	263263
Ion Ratio	Lower	Upper	
43	100		
61	16.6	19.7	29.5#
87	10.6	9.4	14.2

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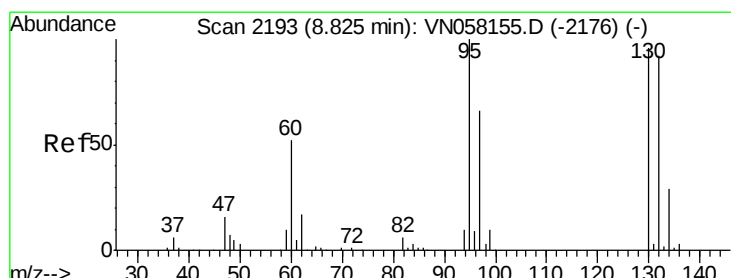
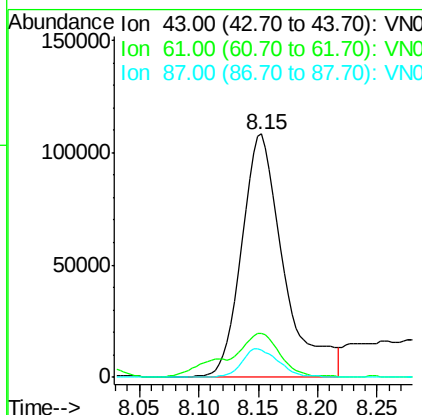
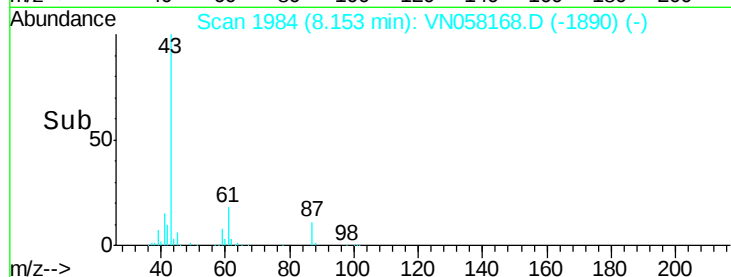


Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN058155.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN058155.D (-1964) (-)

Time-->



#44

Trichloroethene

Concen: 18.785 ug/l

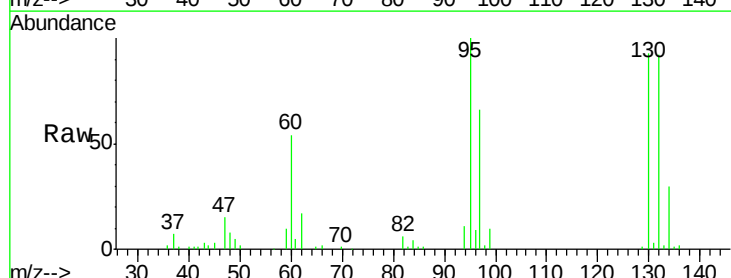
RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

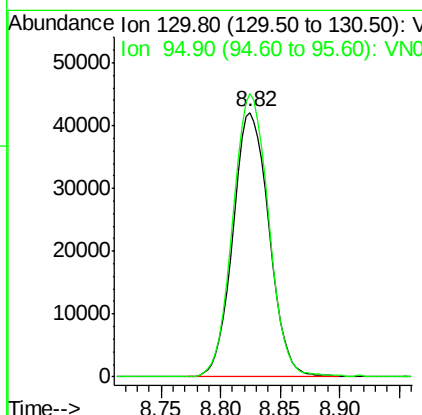
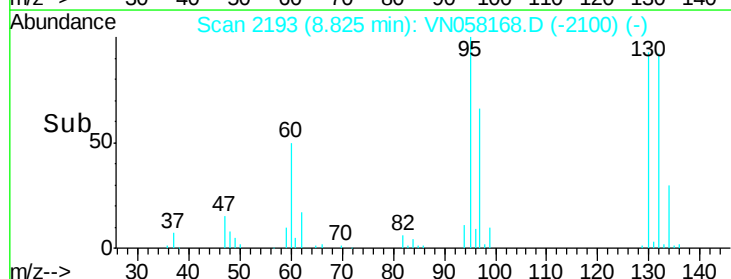
Tgt Ion:	130	Resp:	88515
Ion Ratio	Lower	Upper	
130	100		
95	107.1	0.0	207.8

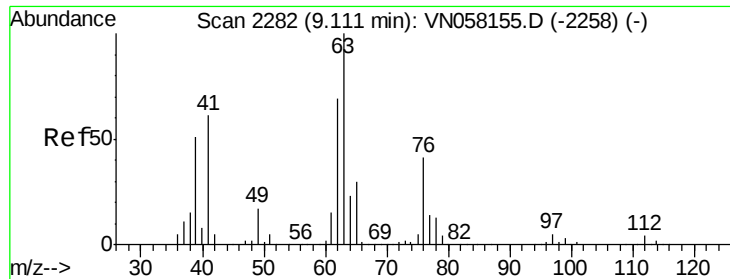


Abundance Ion 129.80 (129.50 to 130.50): VN058155.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058155.D (-2176) (-)

Time-->





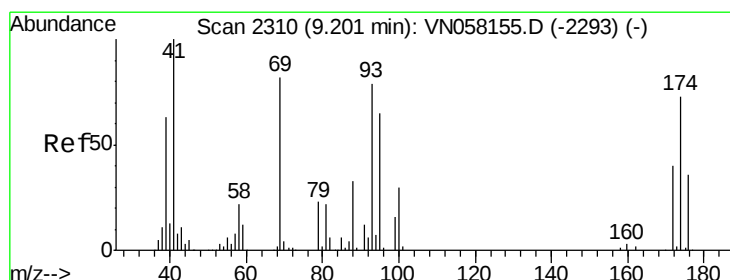
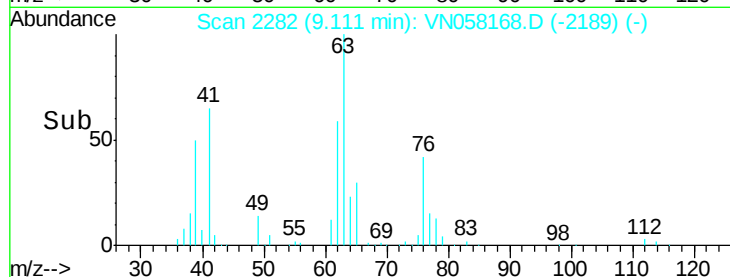
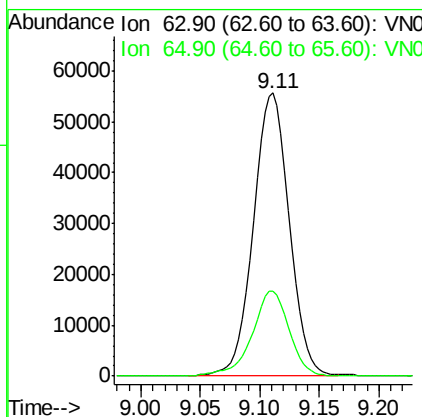
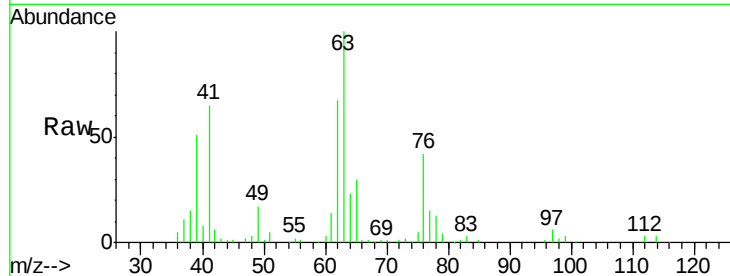
#45
 1,2-Dichloropropane
 Concen: 20.247 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058168.D
 Acq: 18 Sep 2019 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Tot Ion: 63 Resp: 116425
 Ion Ratio Lower Upper
 63 100
 65 30.1 23.8 35.6

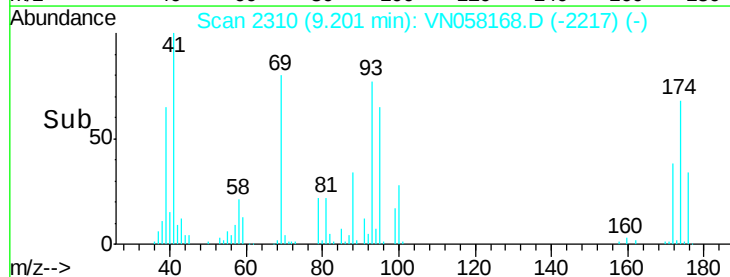
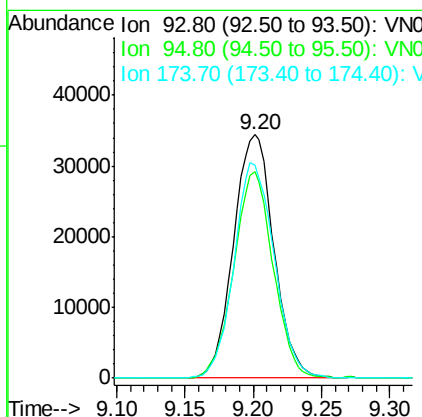
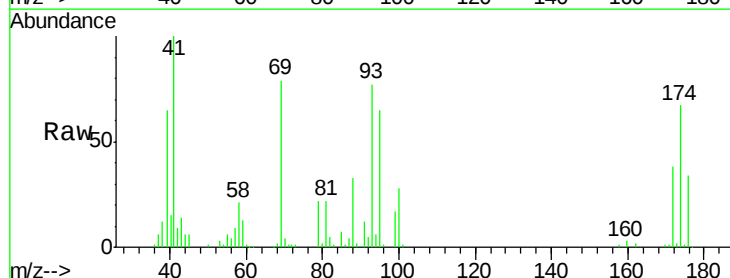
Manual Integrations
 APPROVED

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#46
 Dibromomethane
 Concen: 20.218 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058168.D
 Acq: 18 Sep 2019 17:36

Tgt Ion: 93 Resp: 70683
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.8 100.2
 174 88.1 73.8 110.8





#47

Bromodichloromethane

Concen: 19.553 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

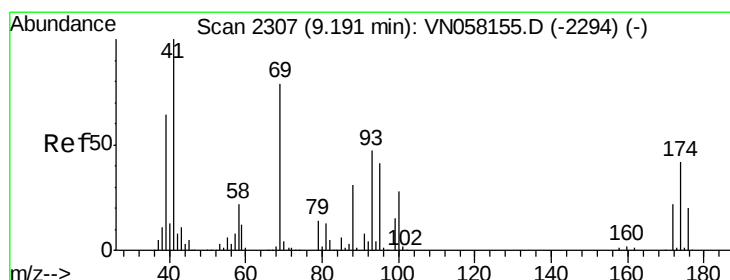
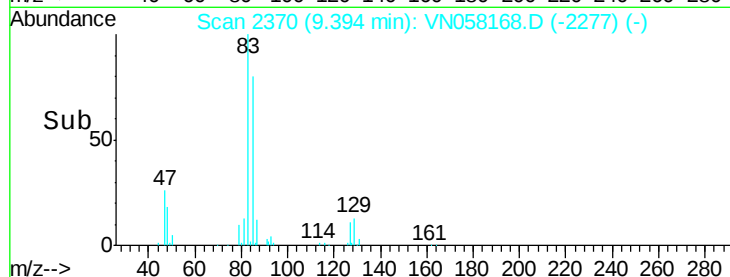
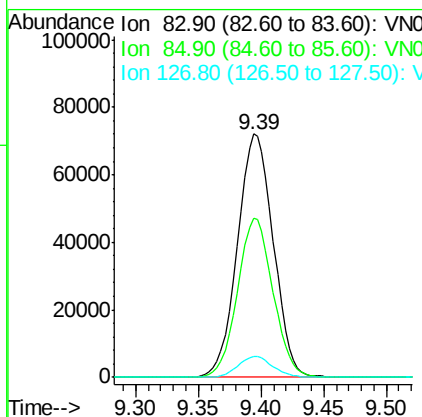
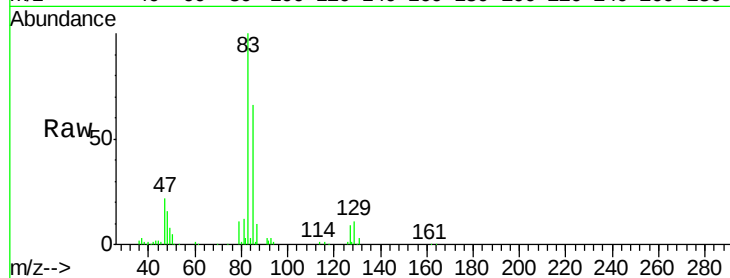
ClientSampleId :

VN0918WBS01

Tot Ion:	83	Resp:	143209
Ion Ratio	Lower	Upper	
83	100		
85	65.6	50.1	75.1
127	8.8	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.957 ug/l

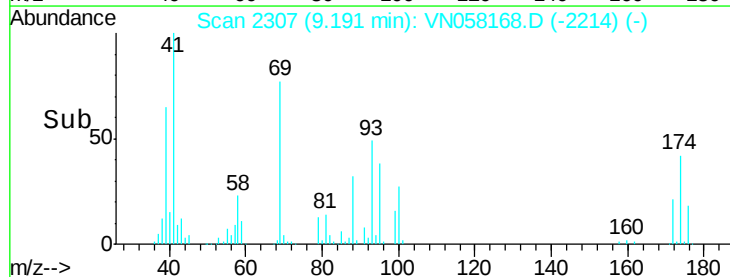
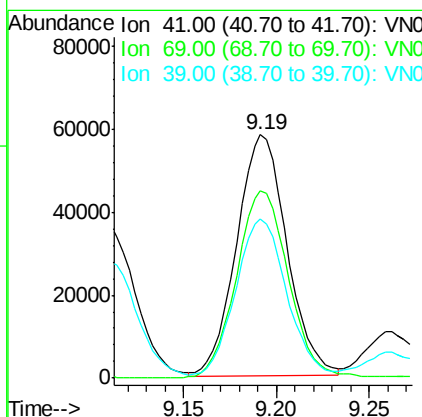
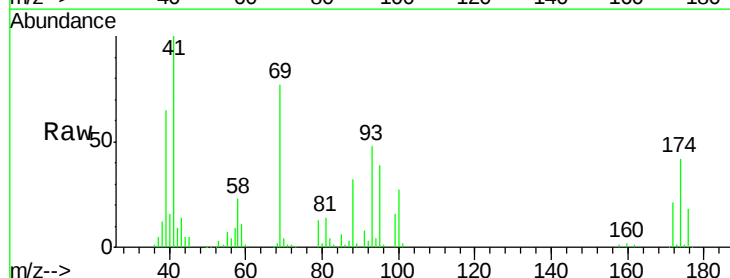
RT: 9.19 min Scan# 2307

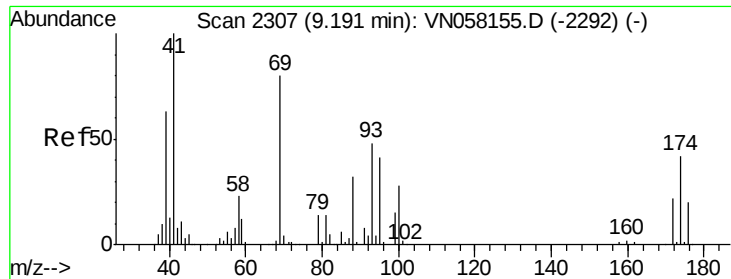
Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Tgt Ion:	41	Resp:	110714
Ion Ratio	Lower	Upper	
41	100		
69	80.4	62.5	93.7
39	66.4	52.3	78.5





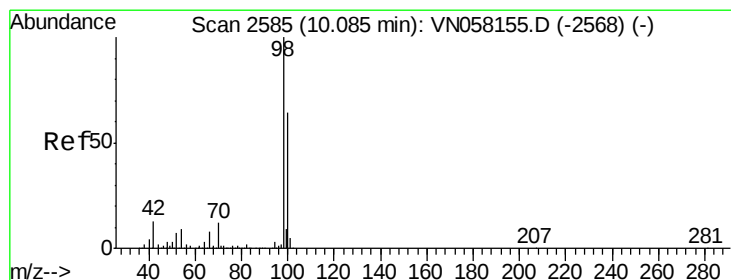
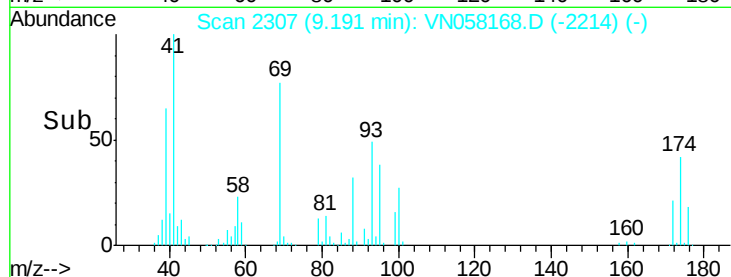
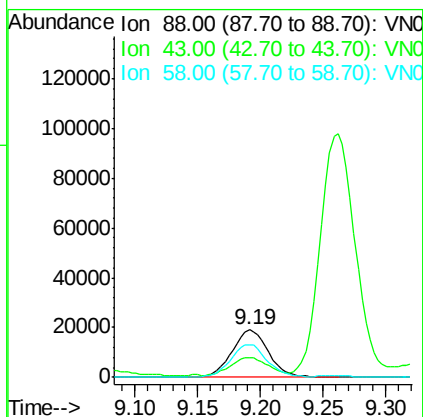
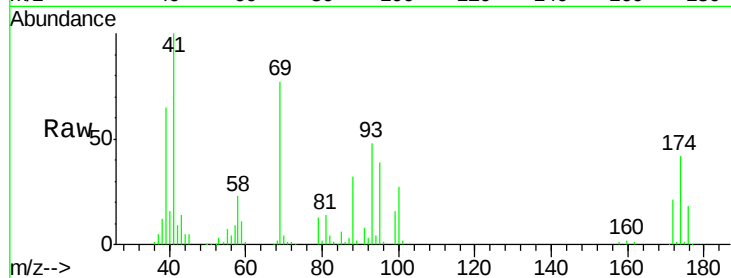
#49
1,4-Dioxane
Concen: 423.790 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058168.D
Acq: 18 Sep 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	27.8	41.8
58	68.9	55.0	82.4

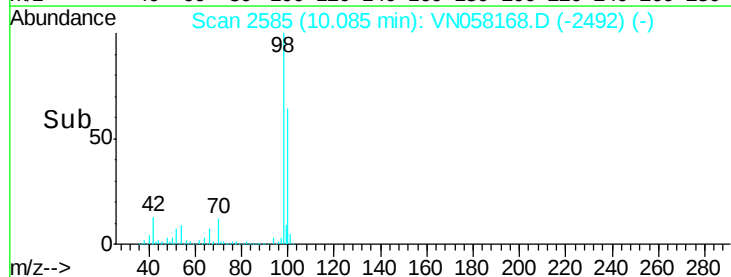
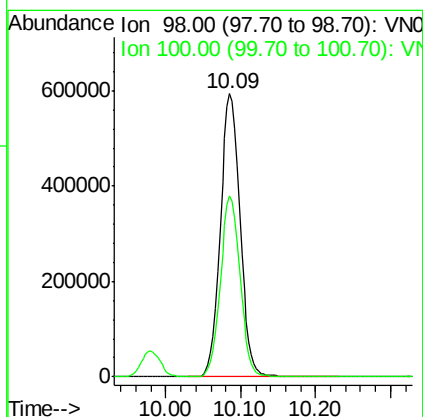
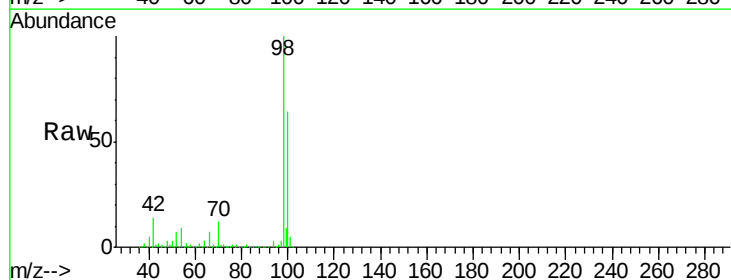
Manual Integrations
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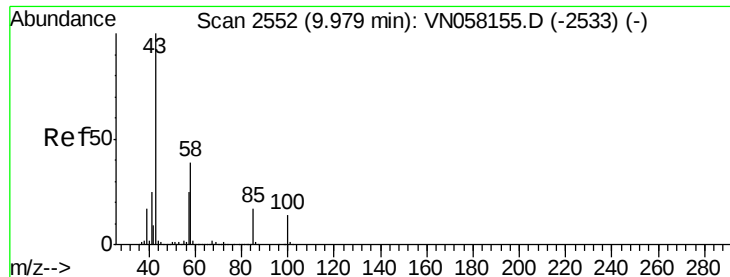
MMDadoda
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#50
Toluene-d8
Concen: 52.168 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058168.D
Acq: 18 Sep 2019 17:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.1	76.7





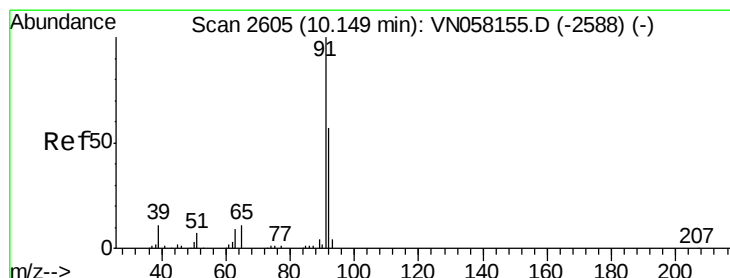
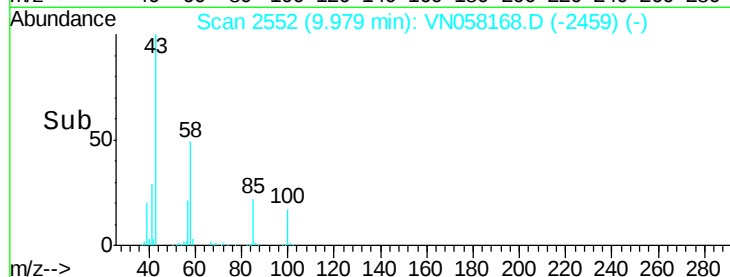
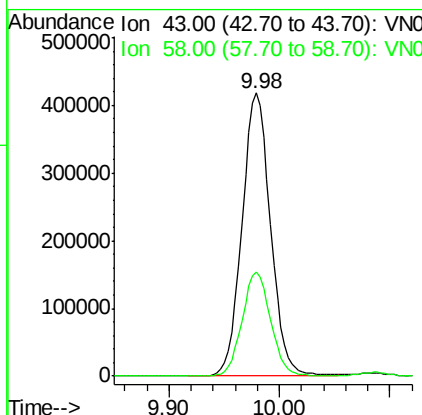
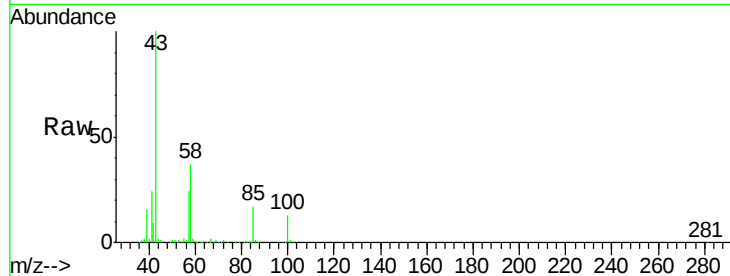
#51
4-Methyl-2-Pentanone
Concen: 114.808 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058168.D
Acq: 18 Sep 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.0	30.2	45.4

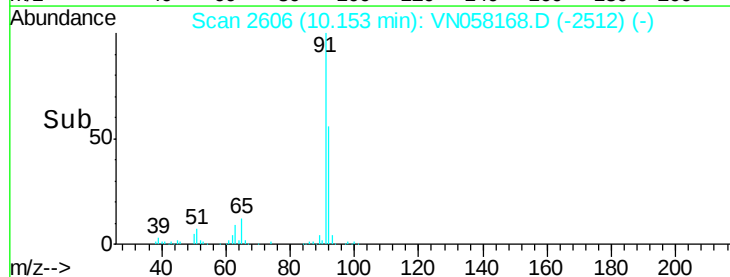
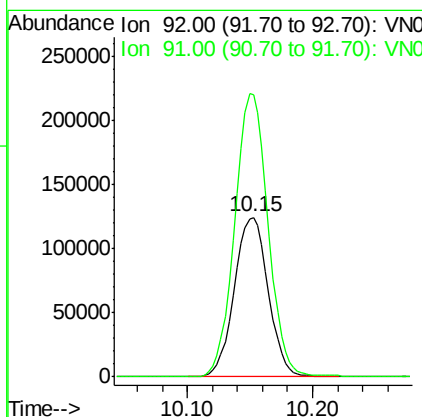
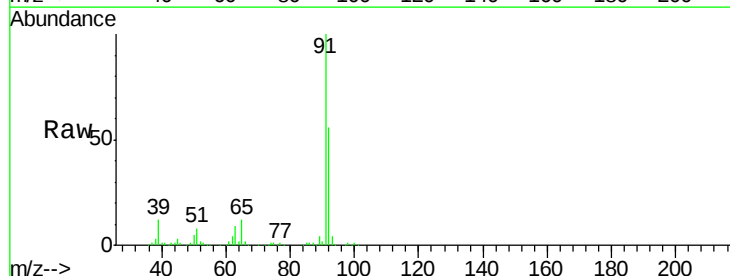
Manual Integrations
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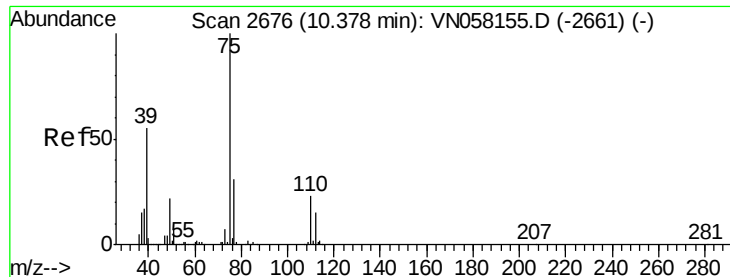
MMDadoda
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#52
Toluene
Concen: 19.419 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN058168.D
Acq: 18 Sep 2019 17:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.5	140.2	210.2





#53

t-1,3-Dichloropropene

Concen: 19.059 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

Tot Ion: 75 Resp: 142993

Ion Ratio Lower Upper

75 100

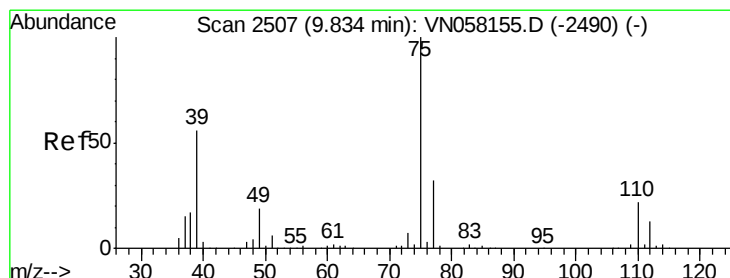
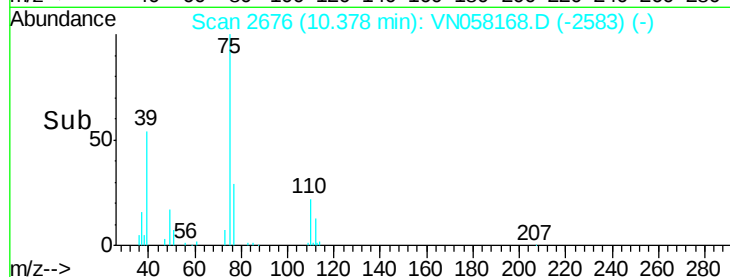
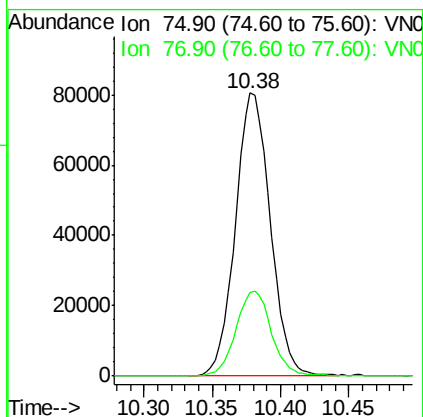
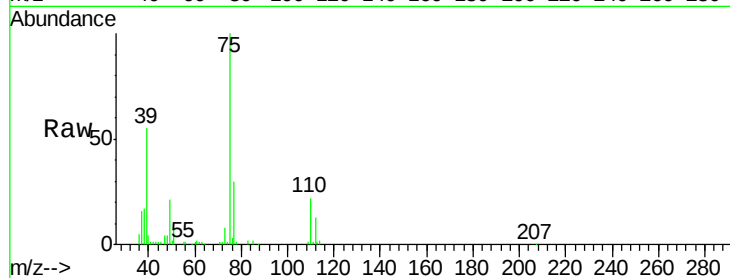
77 29.5 24.9 37.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.074 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

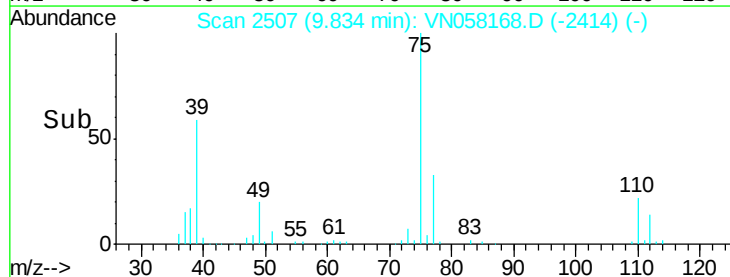
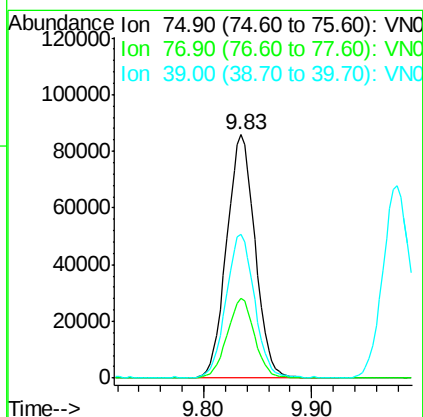
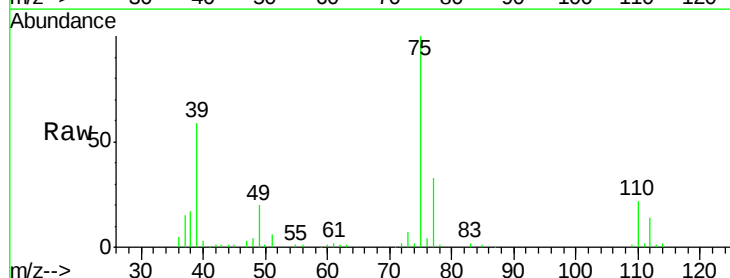
Tgt Ion: 75 Resp: 157992

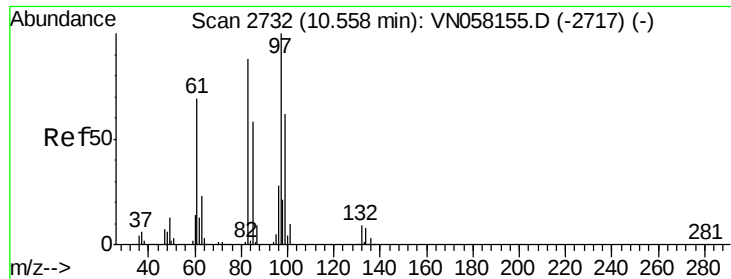
Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.0

39 58.7 45.0 67.6





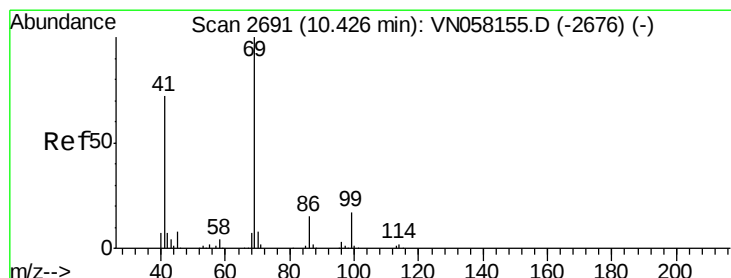
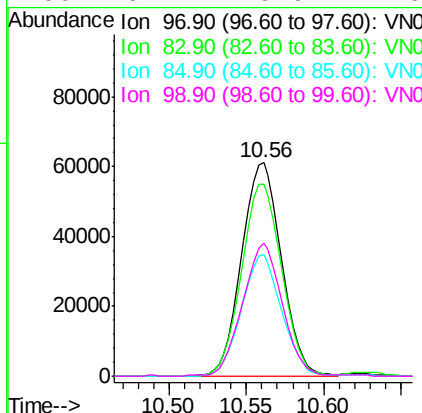
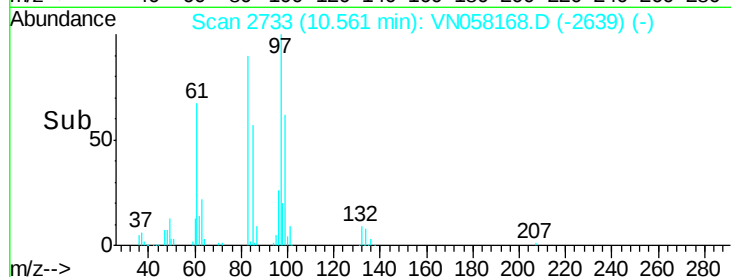
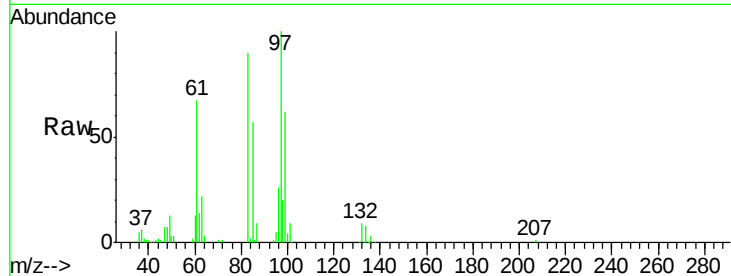
#55
 1,1,2-Trichloroethane
 Concen: 20.526 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058168.D
 Acq: 18 Sep 2019 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Tot Ion:	97	Resp:	109919
Ion	Ratio	Lower	Upper
97	100		
83	90.1	70.4	105.6
85	57.2	46.8	70.2
99	62.1	49.9	74.9

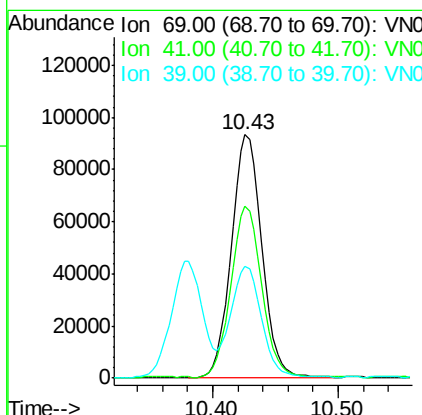
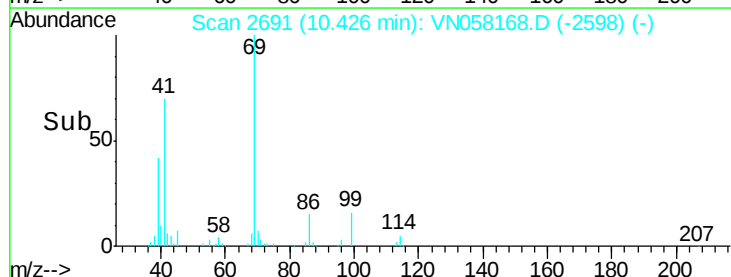
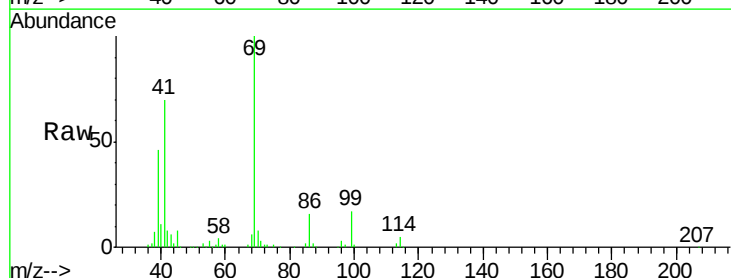
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 20.459 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058168.D
 Acq: 18 Sep 2019 17:36

Tgt Ion:	69	Resp:	158075
Ion	Ratio	Lower	Upper
69	100		
41	70.7	57.5	86.3
39	45.9	36.1	54.1





#57

1,3-Dichloropropane

Concen: 19.622 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

Tot Ion: 76 Resp: 180644

Ion Ratio Lower Upper

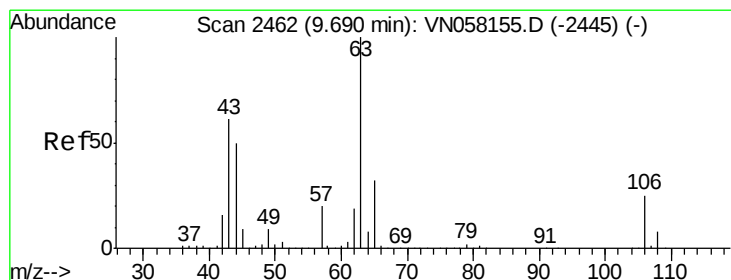
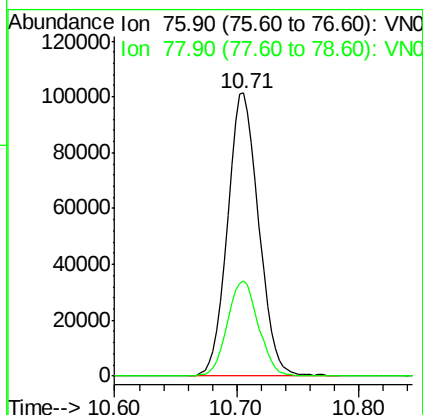
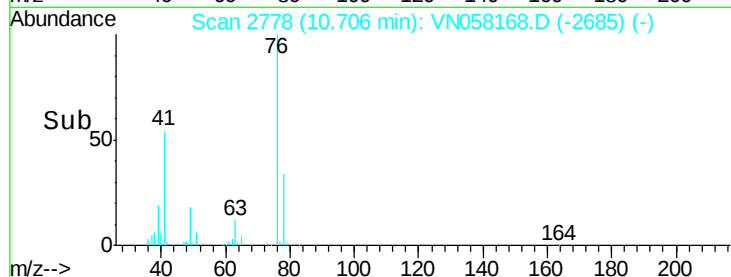
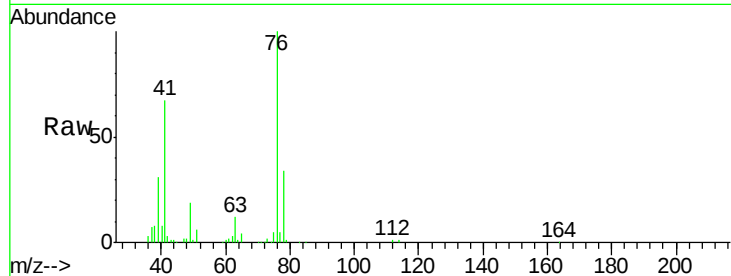
76 100

78 33.6 25.4 38.0

Manual Integrations
APPROVED

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#58

2-Chloroethyl Vinyl ether

Concen: 105.107 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058168.D

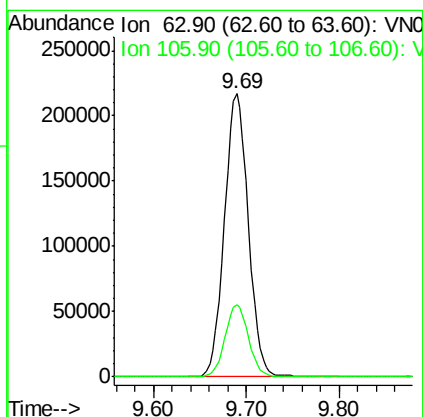
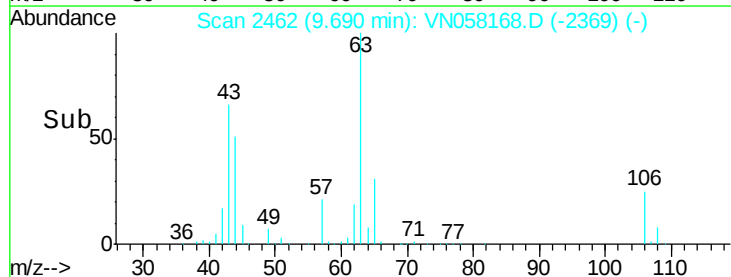
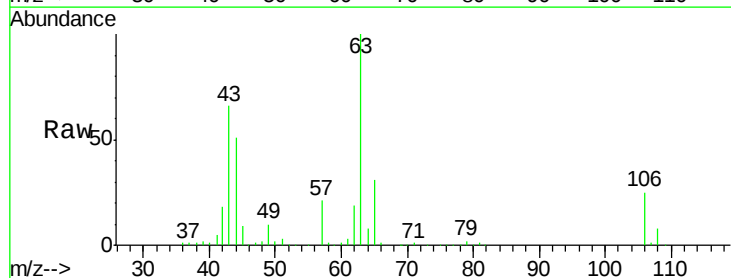
Acq: 18 Sep 2019 17:36

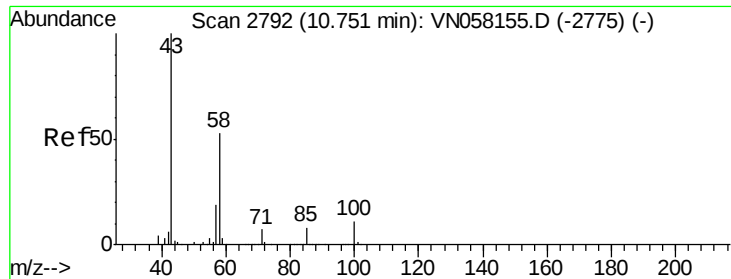
Tgt Ion: 63 Resp: 386833

Ion Ratio Lower Upper

63 100

106 25.0 19.9 29.9





#59

2-Hexanone

Concen: 109.163 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

Tot Ion: 43 Resp: 526163

Ion Ratio Lower Upper

43 100

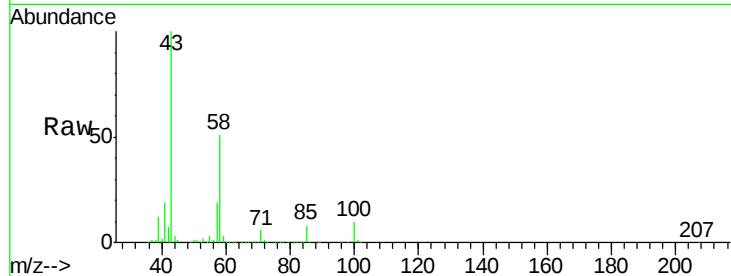
58 51.5 26.0 78.0

Manual Integrations

APPROVED

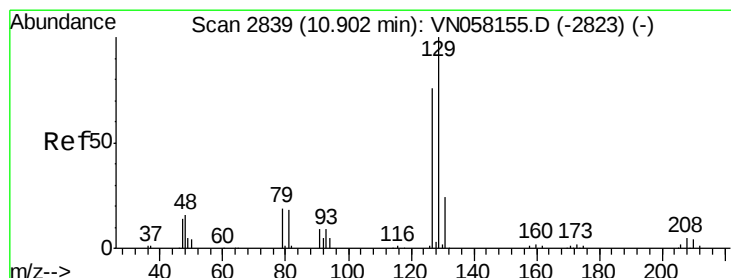
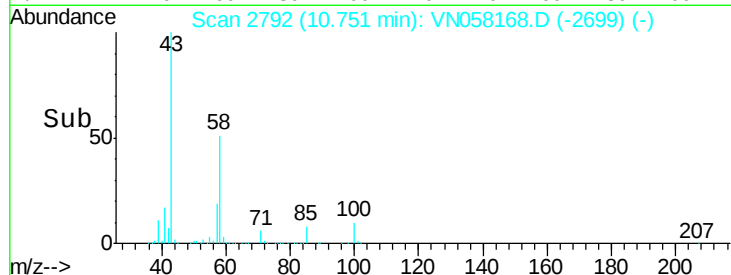
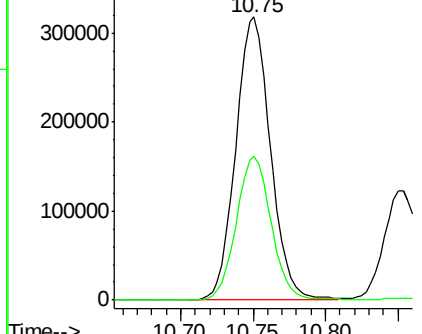
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#60

Dibromochloromethane

Concen: 19.394 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN058168.D

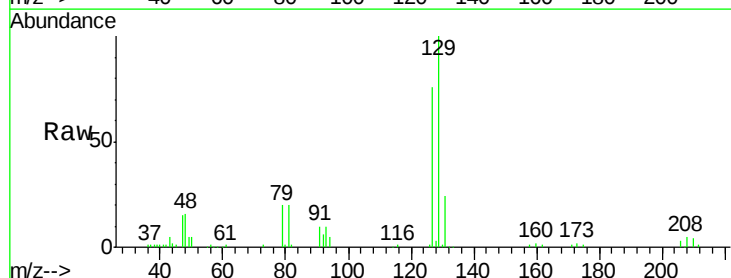
Acq: 18 Sep 2019 17:36

Tgt Ion: 129 Resp: 99916

Ion Ratio Lower Upper

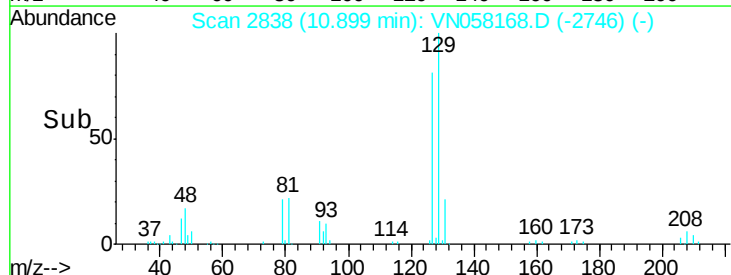
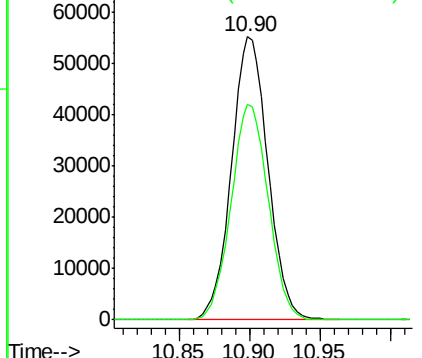
129 100

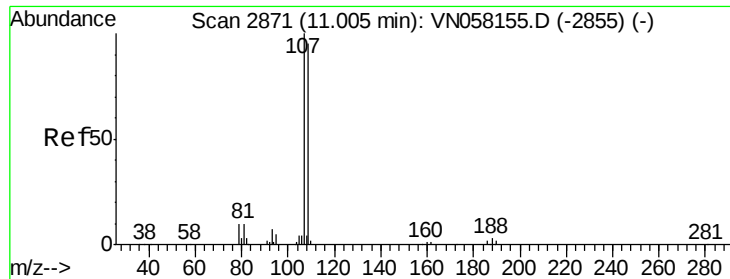
127 77.4 38.7 116.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





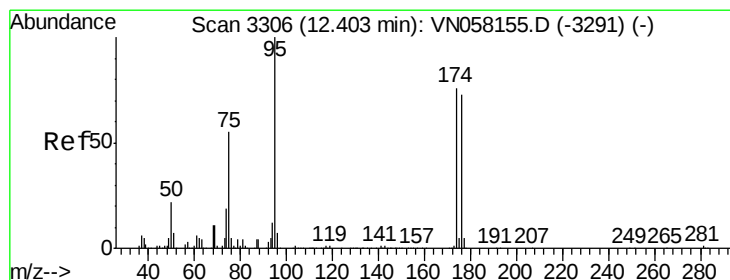
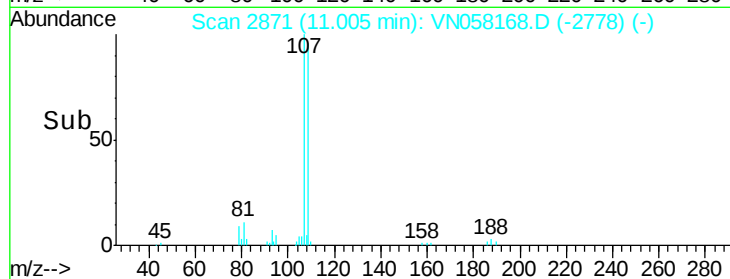
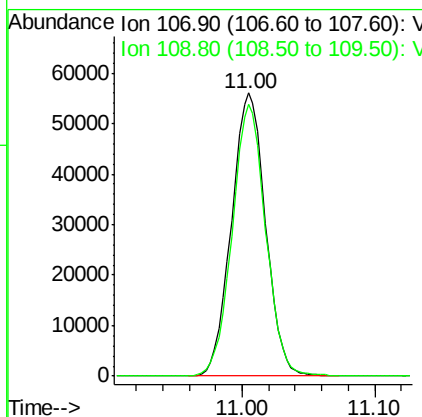
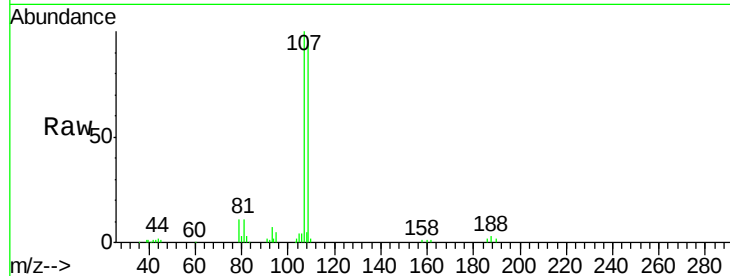
#61
 1,2-Dibromoethane
 Concen: 20.120 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058168.D
 Acq: 18 Sep 2019 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.2

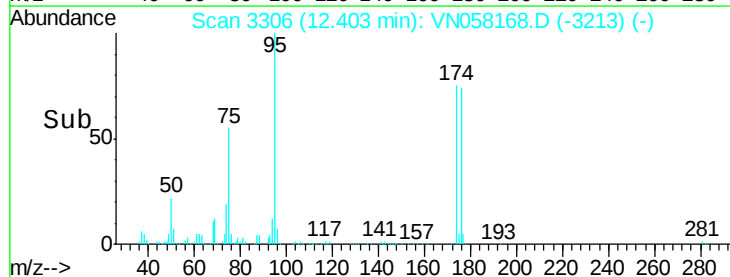
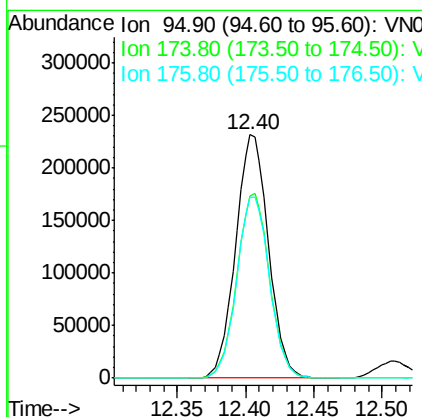
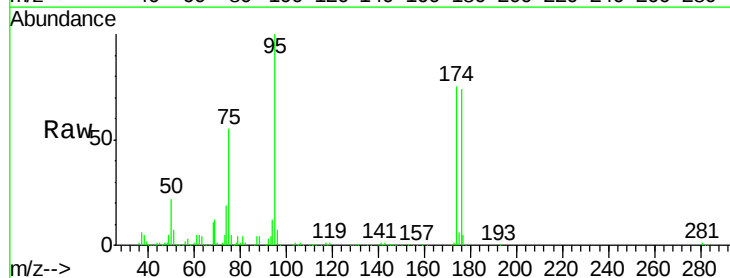
Manual Integrations
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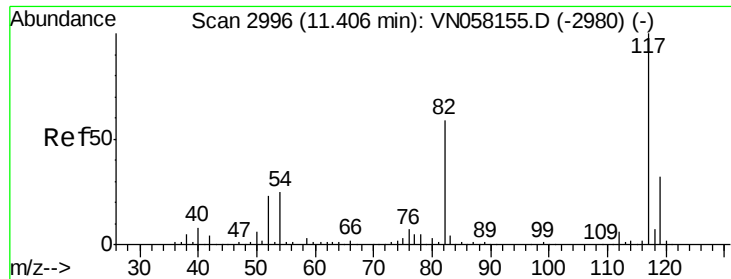
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#62
 4-Bromofluorobenzene
 Concen: 50.317 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058168.D
 Acq: 18 Sep 2019 17:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	152.2
176	74.0	0.0	148.0





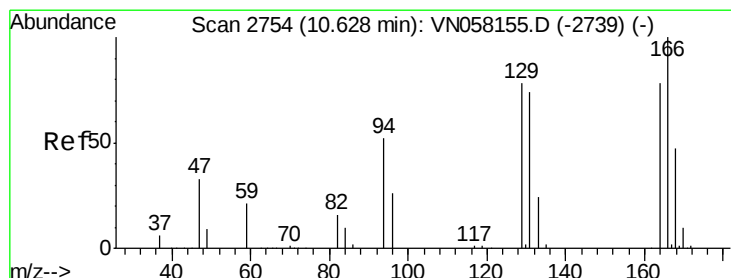
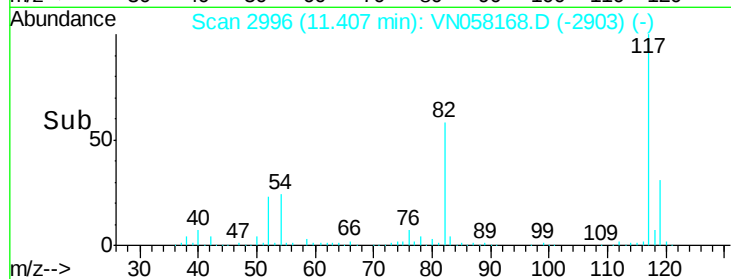
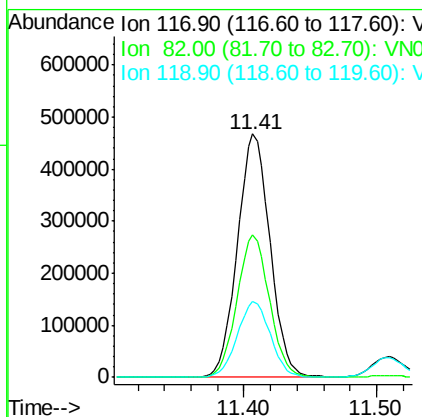
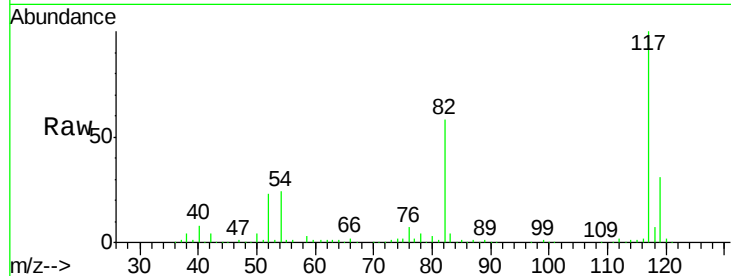
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058168.D
Acq: 18 Sep 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	46.9	70.3
119	31.1	25.3	37.9

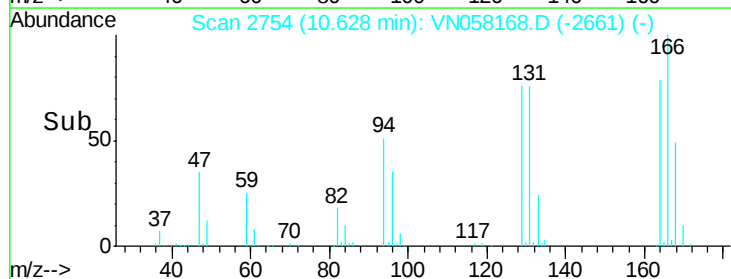
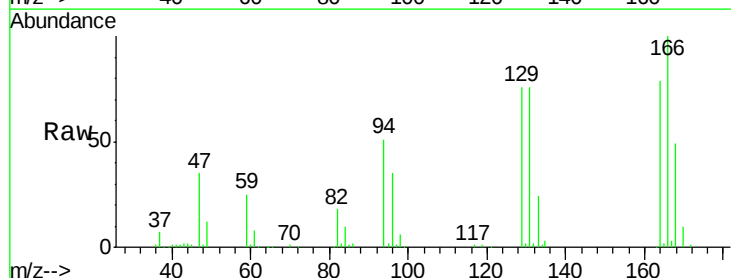
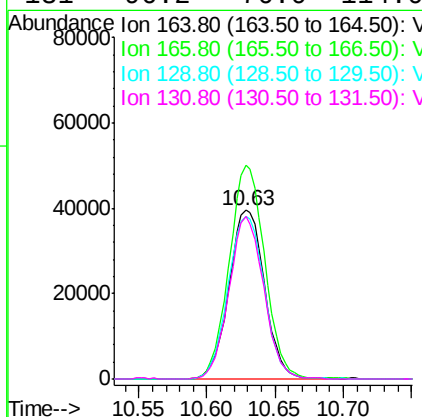
Manual Integrations
APPROVED

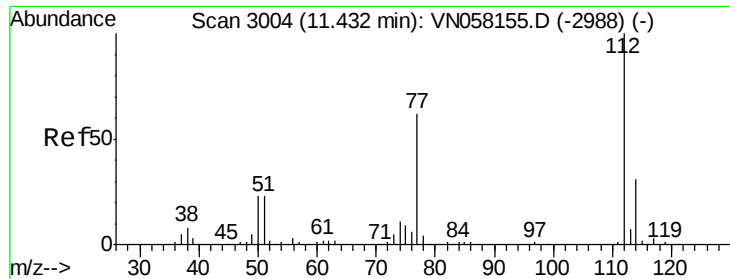
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#64
Tetrachloroethene
Concen: 18.419 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058168.D
Acq: 18 Sep 2019 17:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	102.2	153.4
129	96.3	79.6	119.4
131	96.2	76.0	114.0





#65

Chlorobenzene

Concen: 19.357 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

Tot Ion:112 Resp: 271857

Ion Ratio Lower Upper

112 100

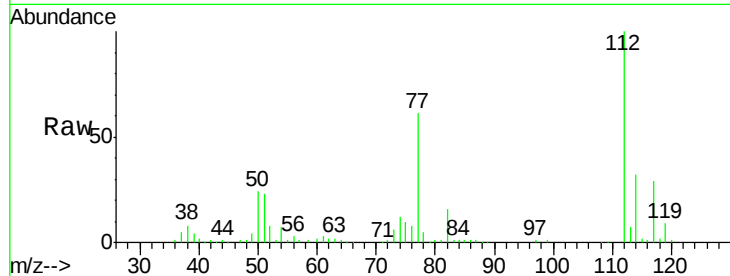
114 32.0 25.1 37.7

Manual Integrations

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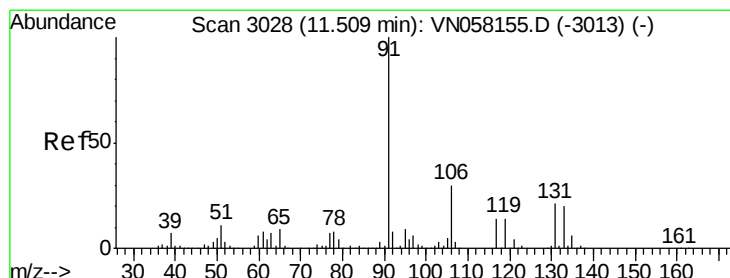
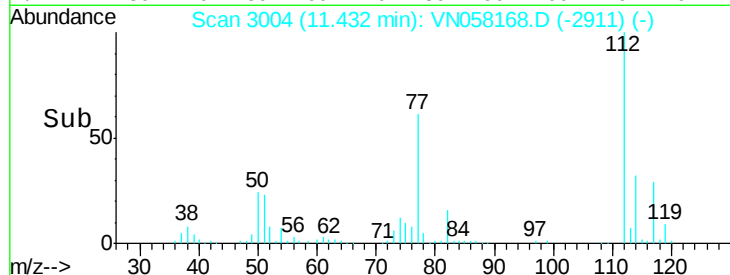
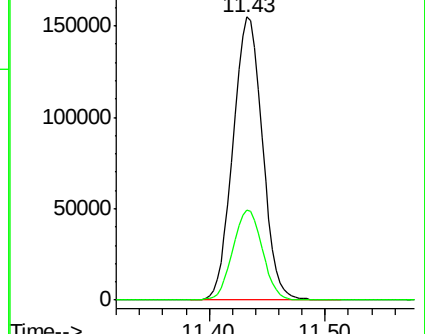
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.700 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

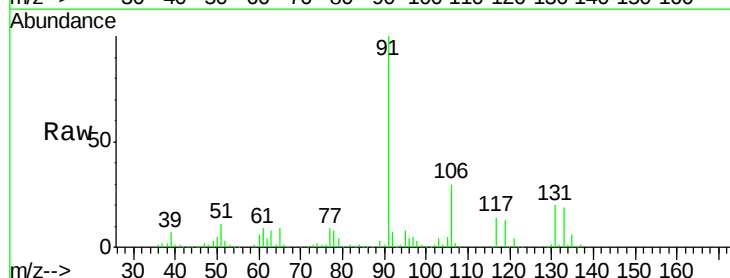
Tgt Ion:131 Resp: 100325

Ion Ratio Lower Upper

131 100

133 96.1 47.8 143.3

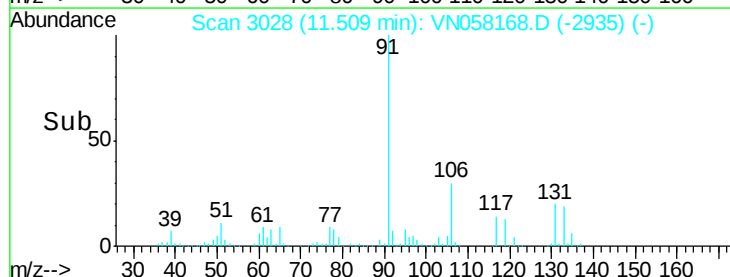
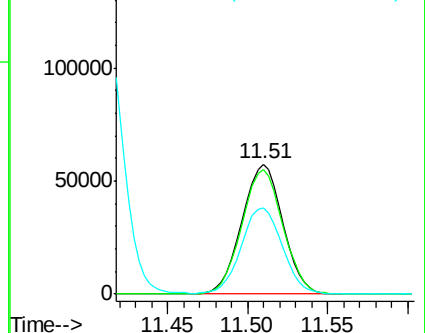
119 67.0 33.1 99.3

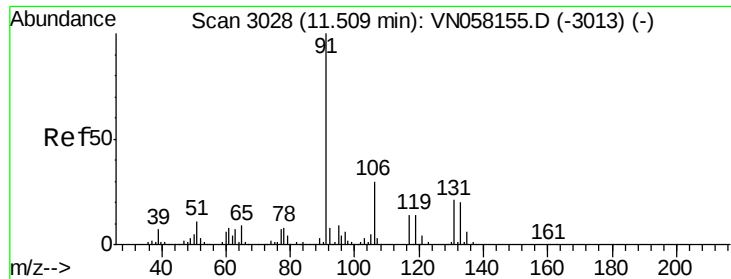


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.966 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

ClientSampled :

VN0918WBS01

Tot Ion: 91 Resp: 480487

Ion Ratio Lower Upper

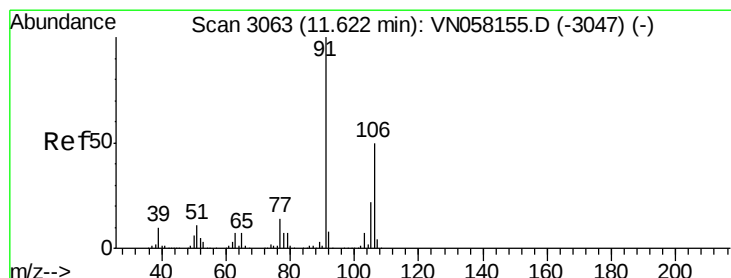
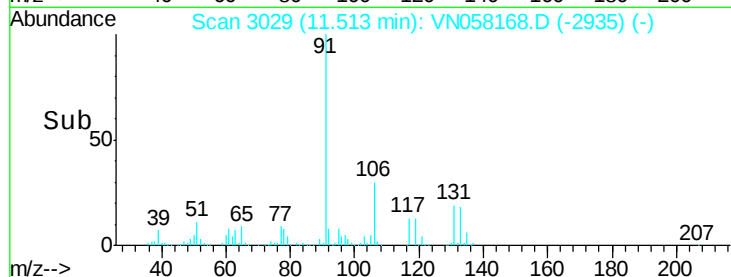
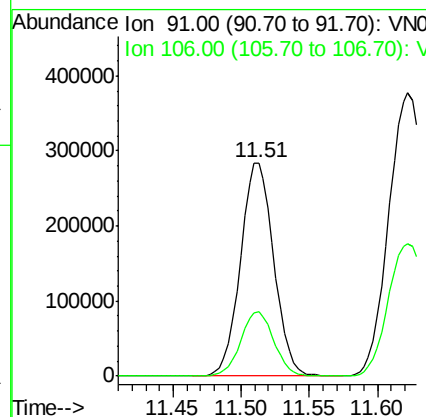
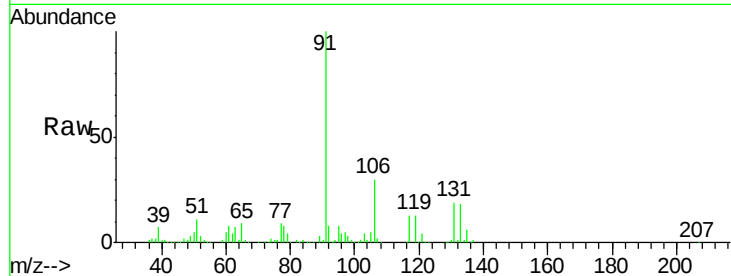
91 100

106 30.1 24.0 36.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 38.445 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058168.D

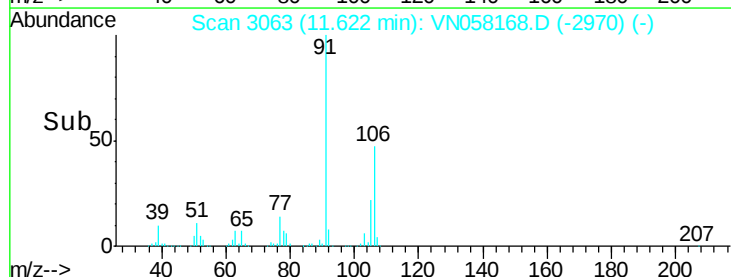
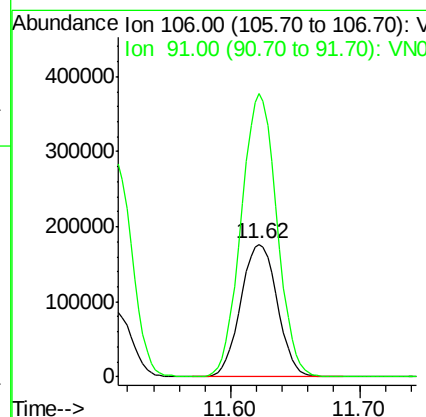
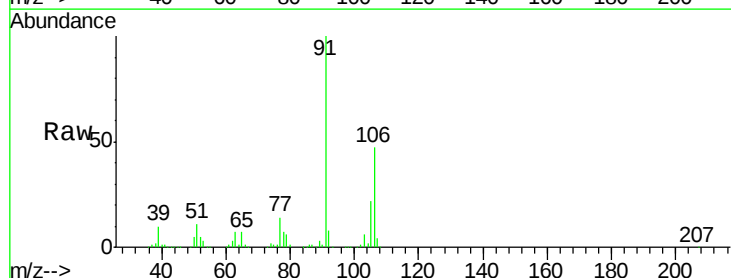
Acq: 18 Sep 2019 17:36

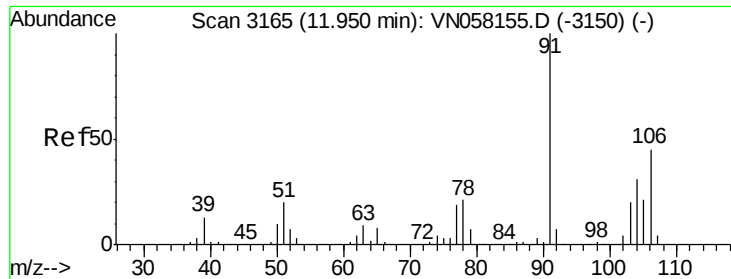
Tgt Ion: 106 Resp: 348452

Ion Ratio Lower Upper

106 100

91 208.5 163.6 245.4





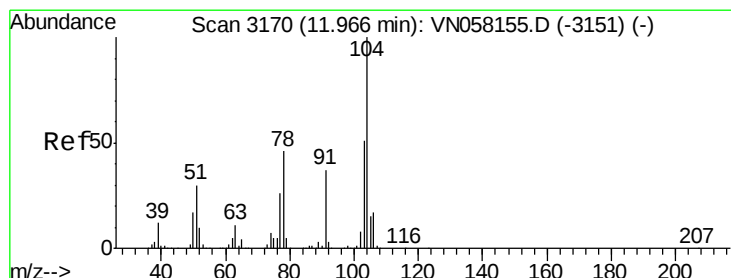
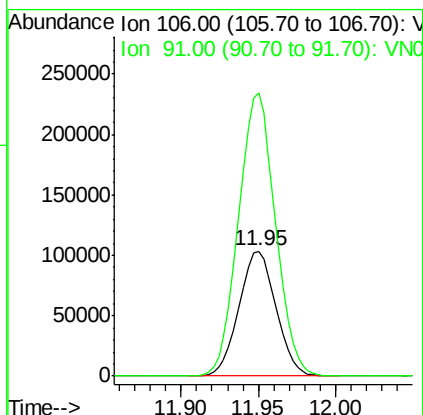
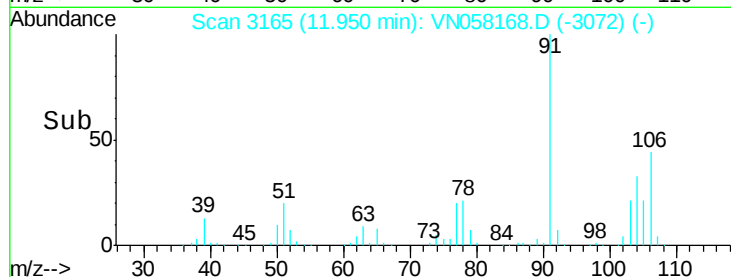
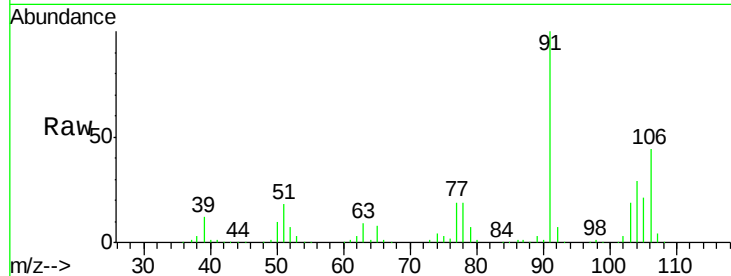
#69
o-Xylene
Concen: 19.355 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058168.D
Acq: 18 Sep 2019 17:36

Instrument :
MSVOA_N
ClientSampled :
VN0918WBS01

Tot Ion:106 Resp: 172496
Ion Ratio Lower Upper
106 100
91 225.6 111.8 335.3

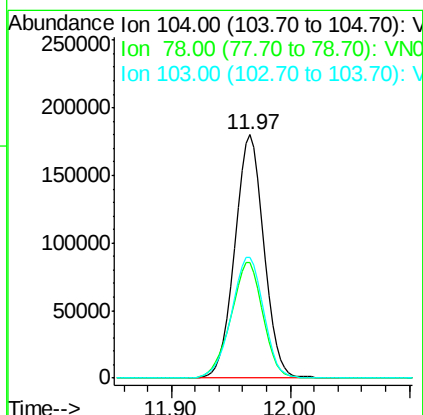
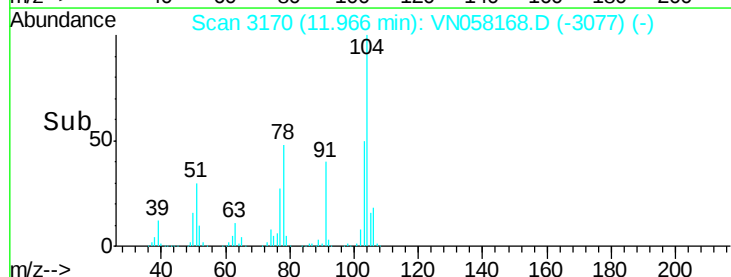
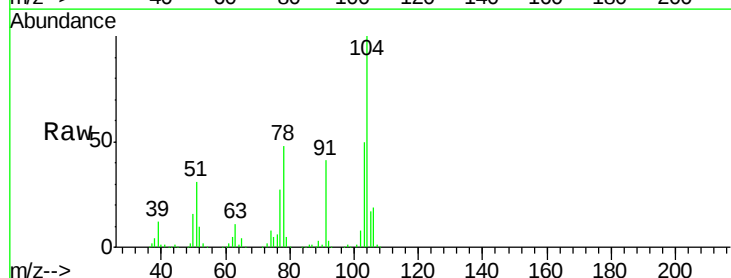
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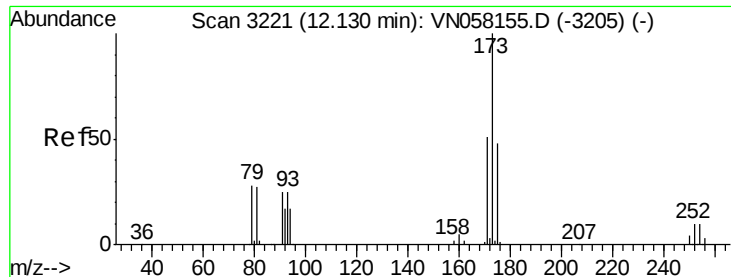
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#70
Styrene
Concen: 19.895 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058168.D
Acq: 18 Sep 2019 17:36

Tgt Ion:104 Resp: 305500
Ion Ratio Lower Upper
104 100
78 52.4 41.8 62.8
103 54.9 44.2 66.2





#71

Bromoform

Concen: 18.976 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

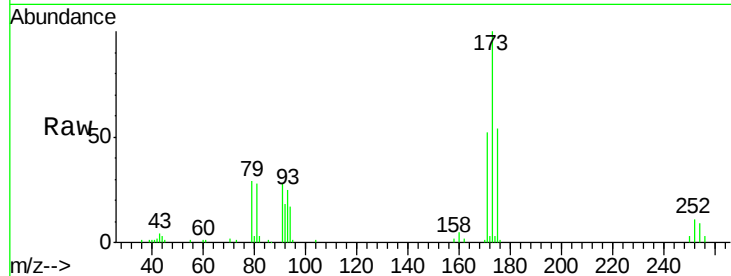
ClientSampleId :

VN0918WBS01

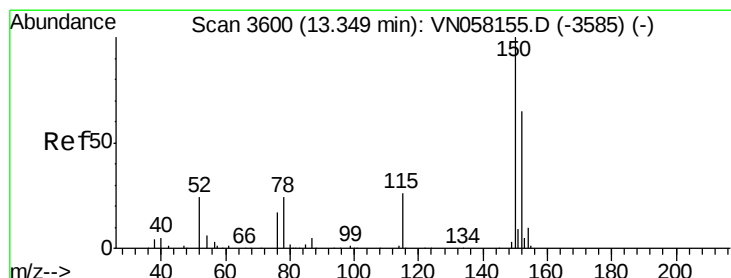
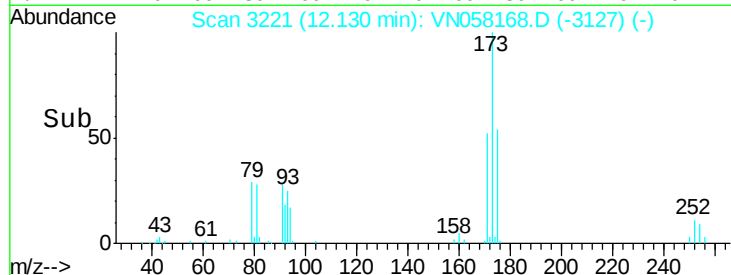
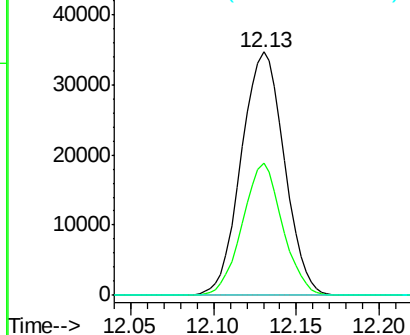
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.2	72.6
254	0.0	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

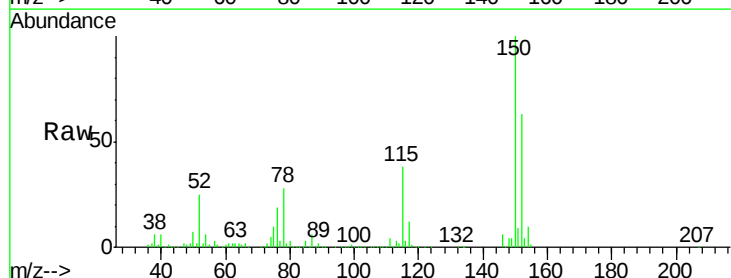
RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

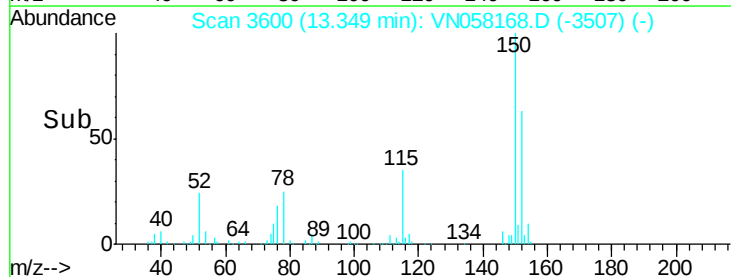
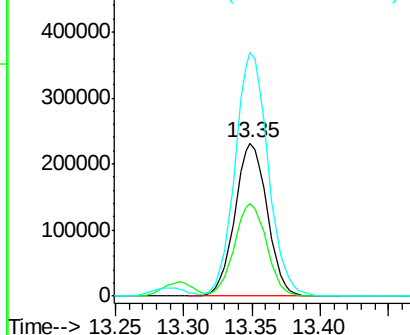
Lab File: VN058168.D

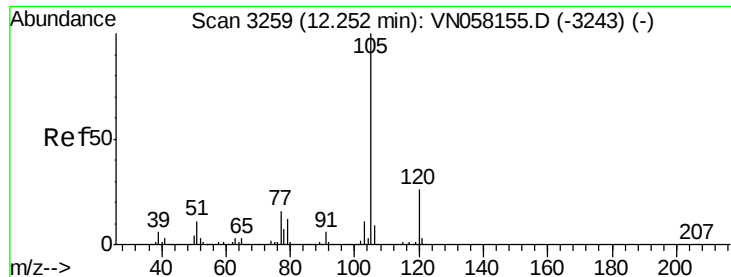
Acq: 18 Sep 2019 17:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.1	90.3
150	163.1	0.0	346.4



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: 20.866 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

Tot Ion:105 Resp: 496052

Ion Ratio Lower Upper

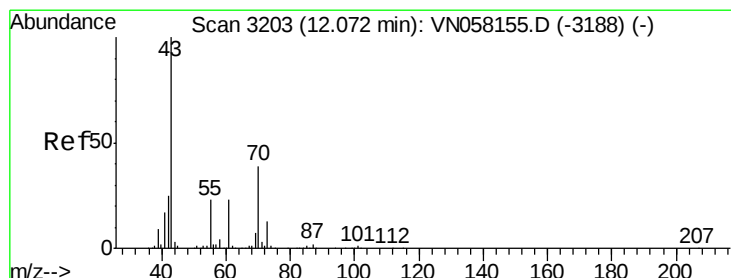
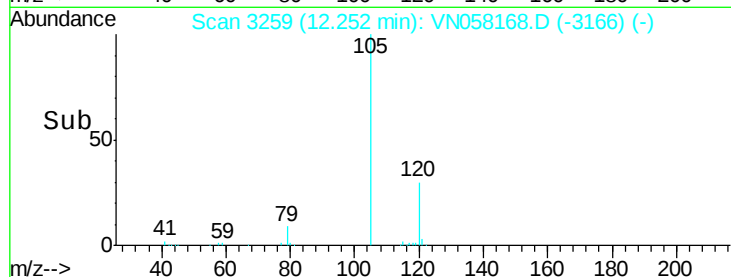
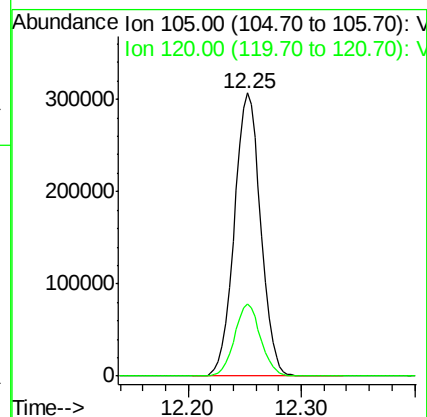
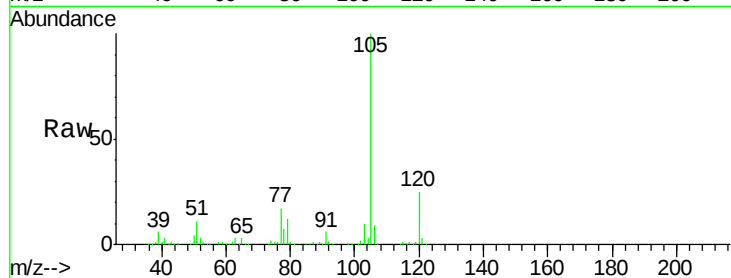
105 100

120 25.1 12.8 38.3

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#74

N-ethyl acetate

Concen: 21.533 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Tgt Ion: 43 Resp: 214151

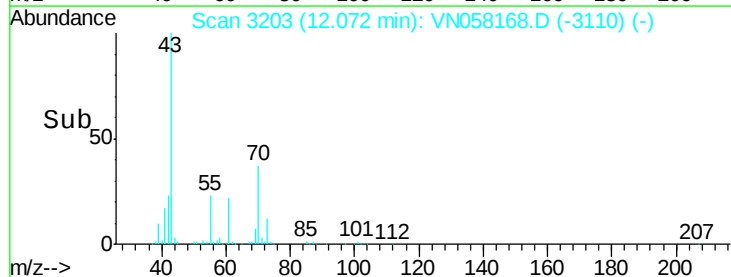
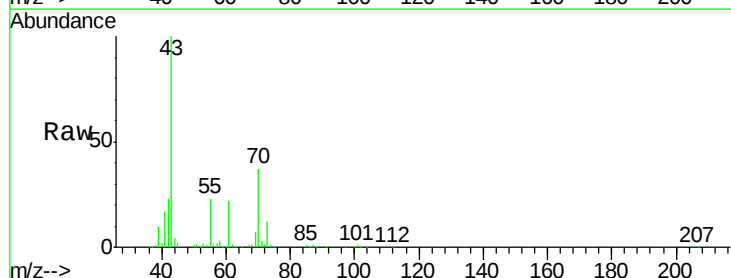
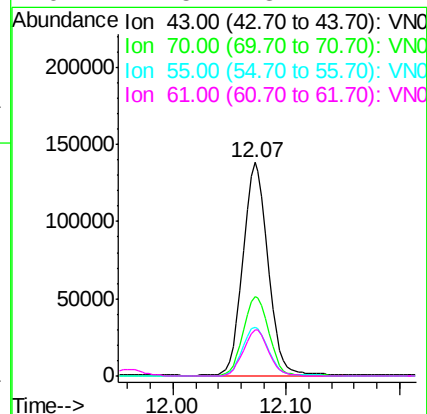
Ion Ratio Lower Upper

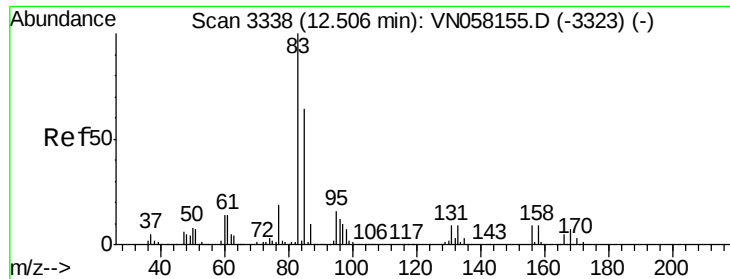
43 100

70 38.0 31.0 46.6

55 23.9 18.5 27.7

61 21.5 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.079 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

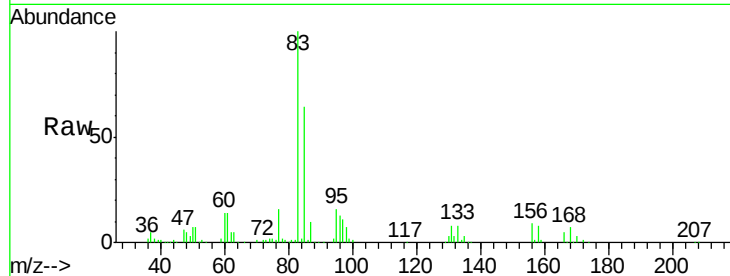
ClientSampleId :

VN0918WBS01

Tot Ion:	83	Resp:	167806
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.8	14.3
85	64.8	31.9	95.5

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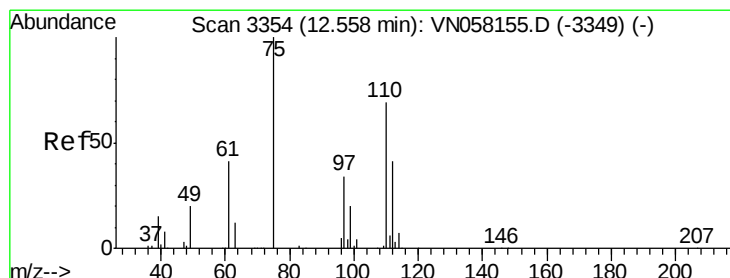
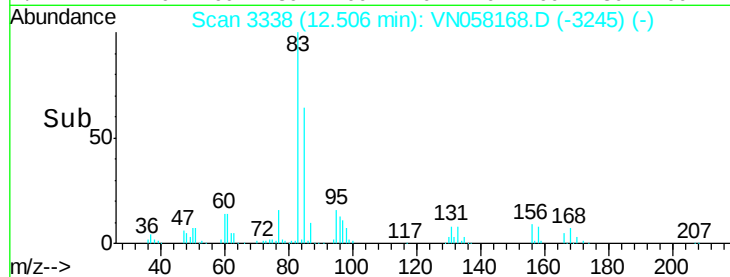
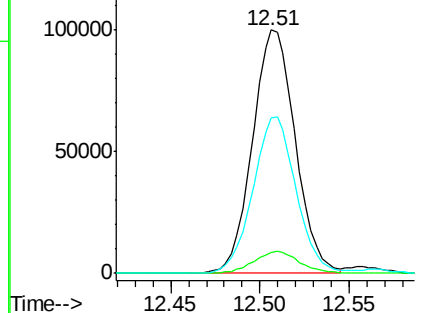
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Abundance Ion 82.90 (82.60 to 83.60): VN058168.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN058168.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN058168.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 22.354 ug/l m

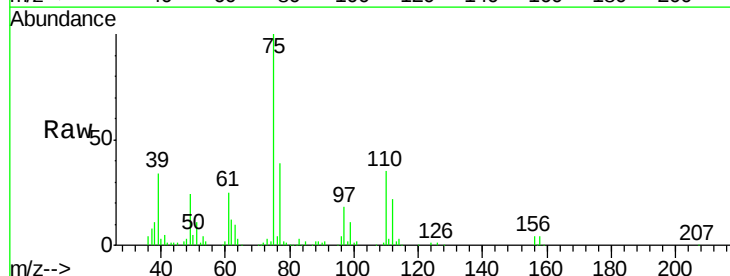
RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058168.D

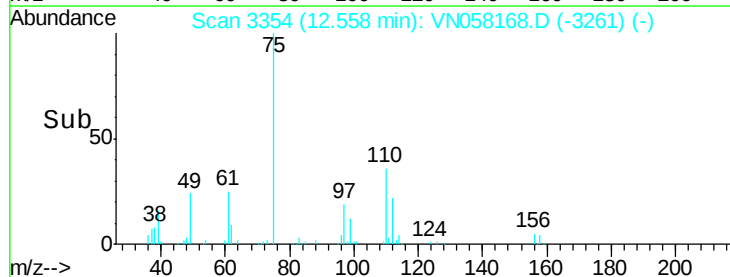
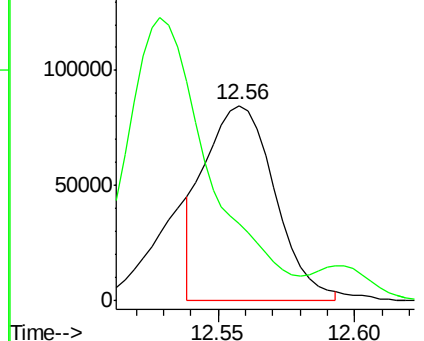
Acq: 18 Sep 2019 17:36

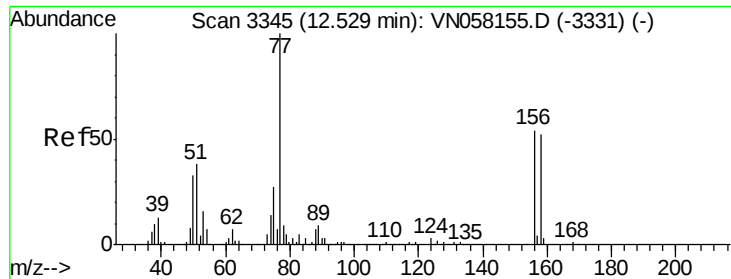
Tgt Ion:	75	Resp:	151948
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058168.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058168.D (-3261) (-)





#77

Bromobenzene

Concen: 19.605 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

Tot Ion:156 Resp: 117238

Ion Ratio Lower Upper

156 100

77 222.9 111.7 335.1

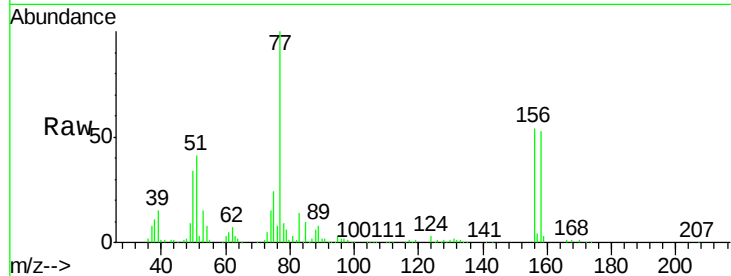
158 97.2 47.9 143.8

Manual Integrations

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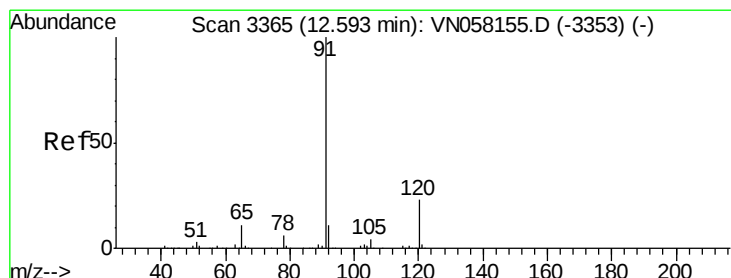
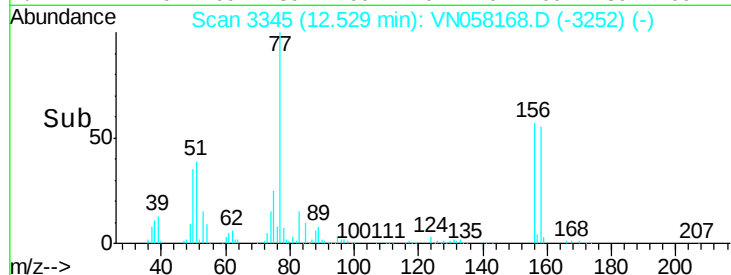
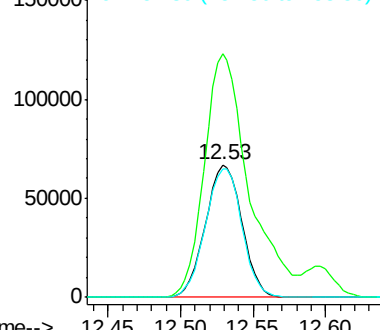
9/20/2019 1:43:53 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.281 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058168.D

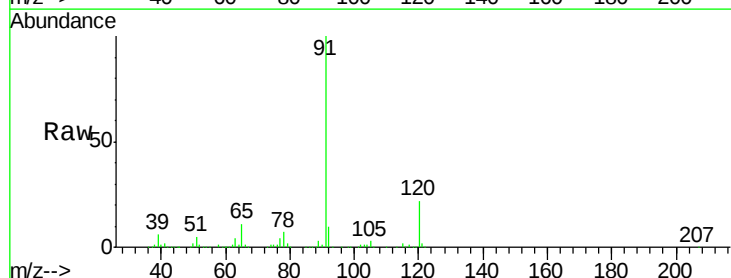
Acq: 18 Sep 2019 17:36

Tgt Ion: 91 Resp: 574896

Ion Ratio Lower Upper

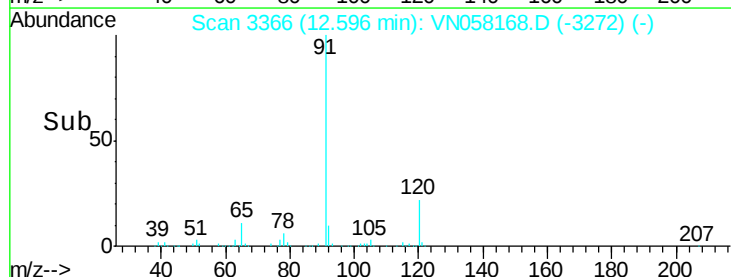
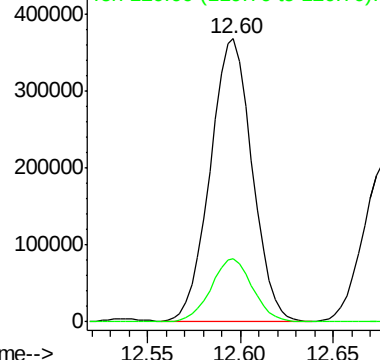
91 100

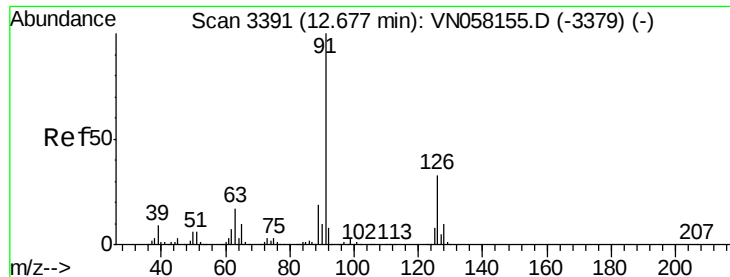
120 22.3 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.347 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

Tot Ion: 91 Resp: 343516

Ion Ratio Lower Upper

91 100

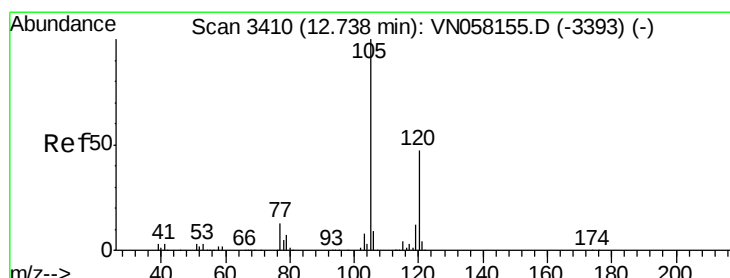
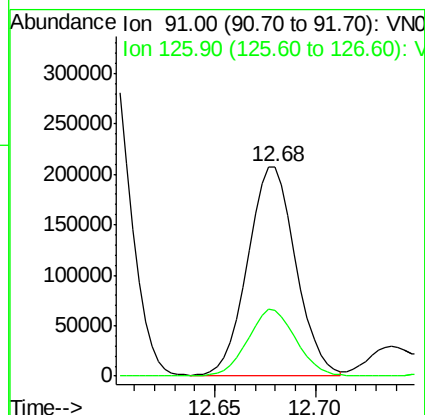
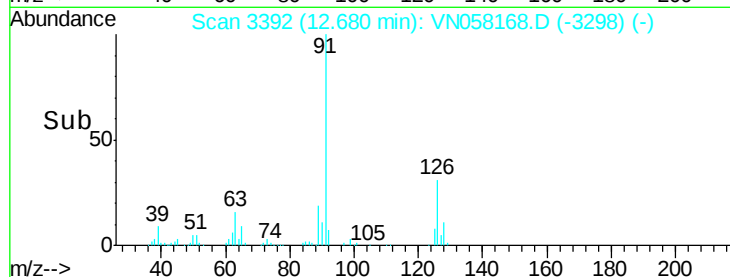
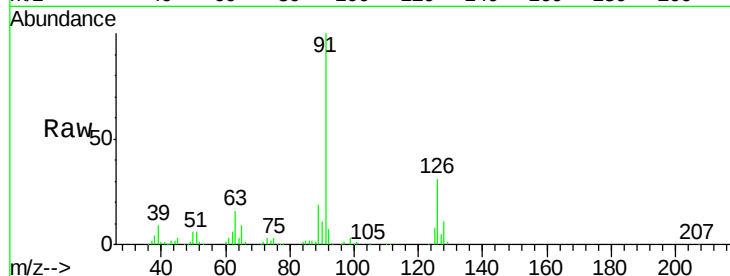
126 32.3 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 21.038 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058168.D

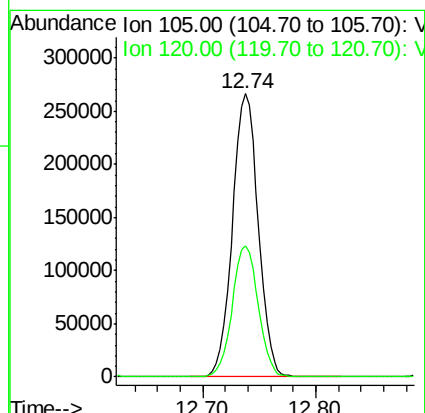
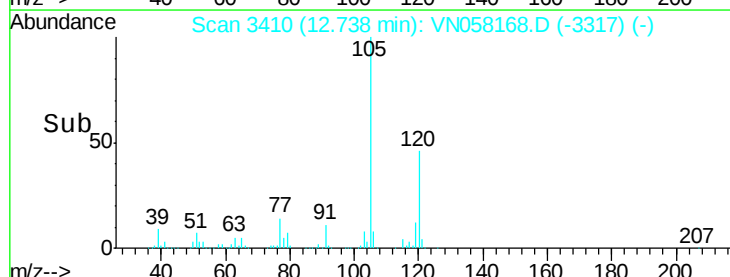
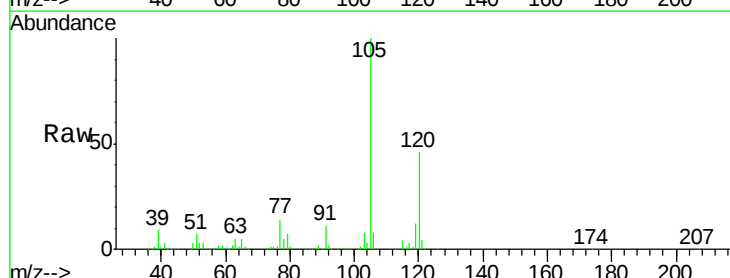
Acq: 18 Sep 2019 17:36

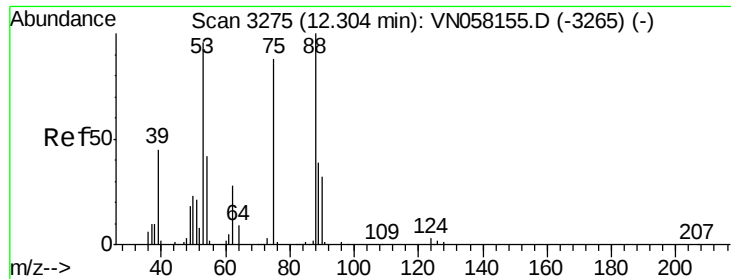
Tgt Ion: 105 Resp: 422915

Ion Ratio Lower Upper

105 100

120 46.6 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.291 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

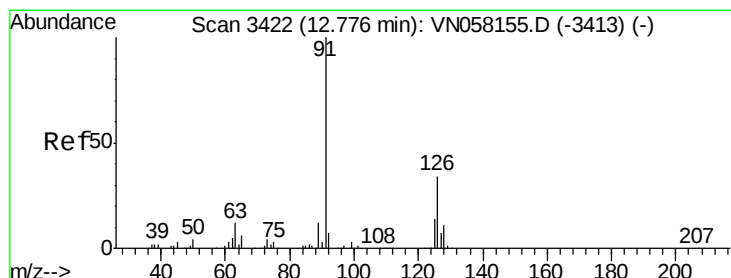
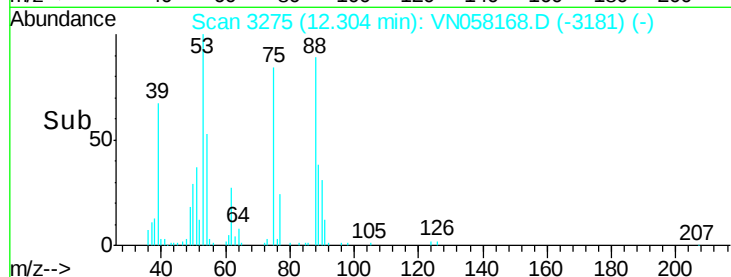
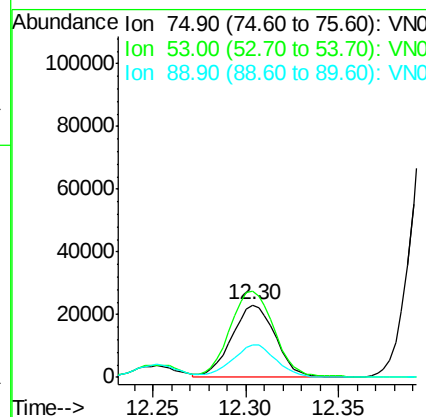
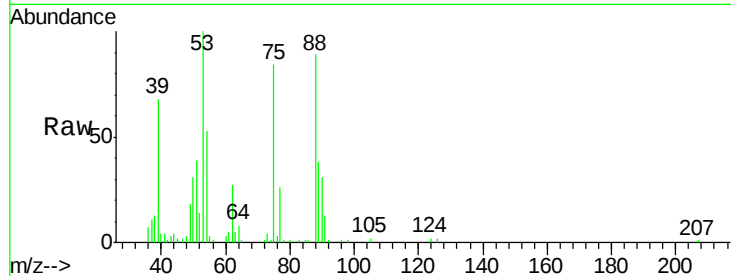
ClientSampleId :

VN0918WBS01

Tot Ion:	75	Resp:	37474
Ion	Ratio	Lower	Upper
75	100		
53	123.5	90.1	135.1
89	45.3	36.2	54.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.998 ug/l

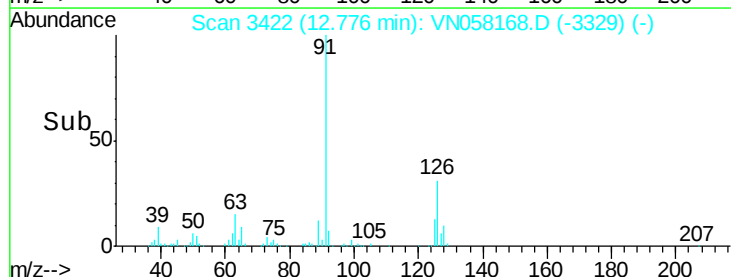
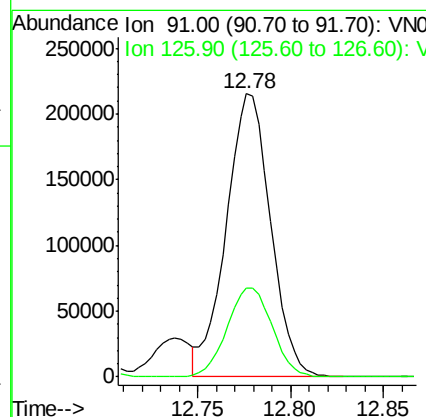
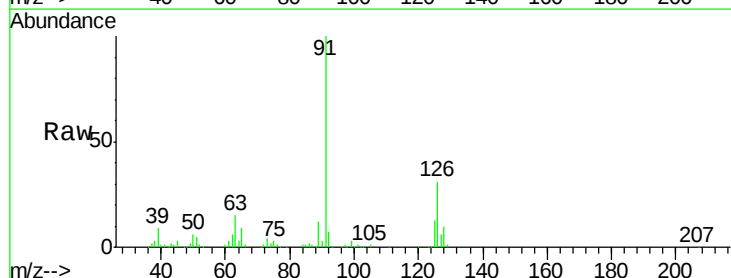
RT: 12.78 min Scan# 3422

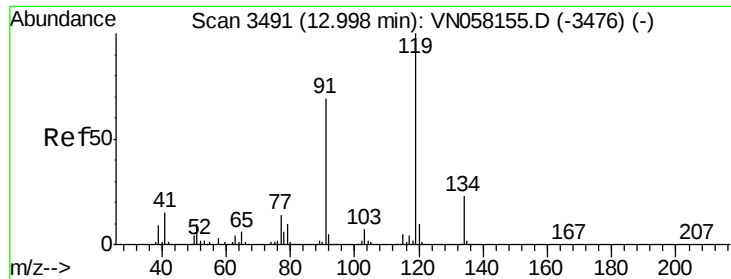
Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Tgt Ion:	91	Resp:	354899
Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.1





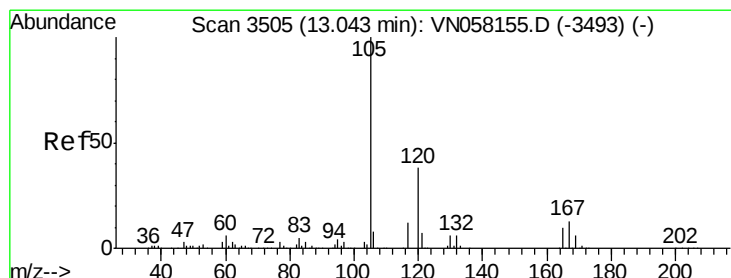
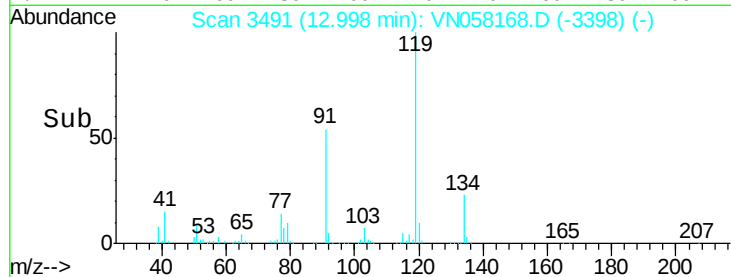
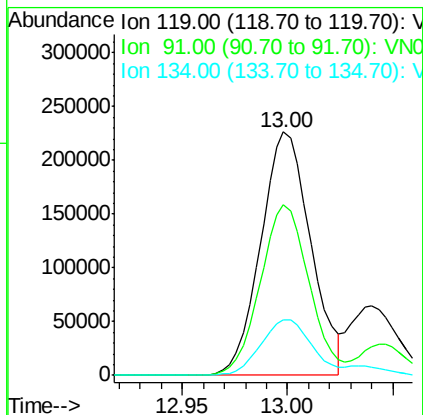
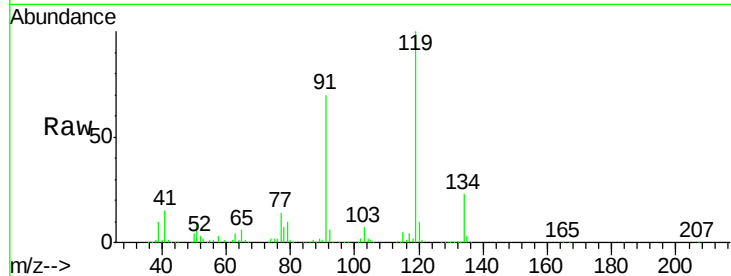
#83
 tert-Butylbenzene
 Concen: 20.827 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058168.D
 Acq: 18 Sep 2019 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.3	33.8	101.3
134	23.1	11.6	34.8

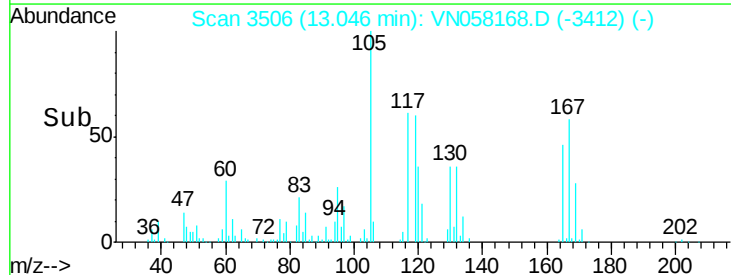
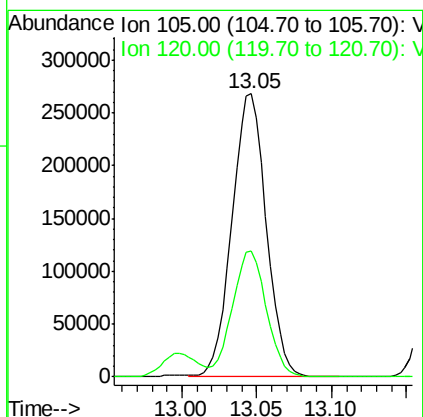
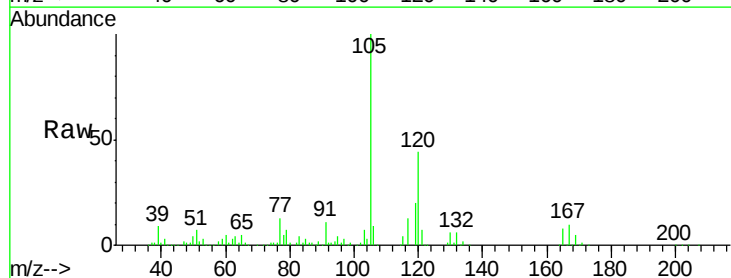
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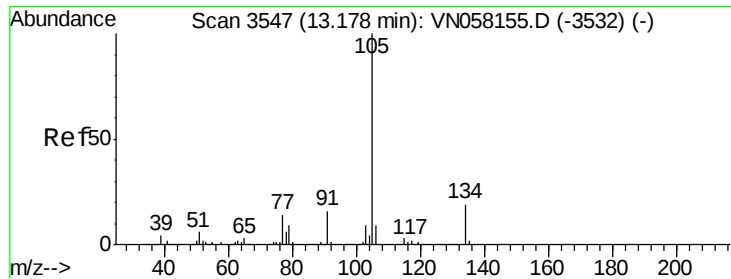
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.313 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058168.D
 Acq: 18 Sep 2019 17:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.5





#85

sec-Butylbenzene

Concen: 21.313 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VN0918WBS01

Tot Ion:105 Resp: 499639

Ion Ratio Lower Upper

105 100

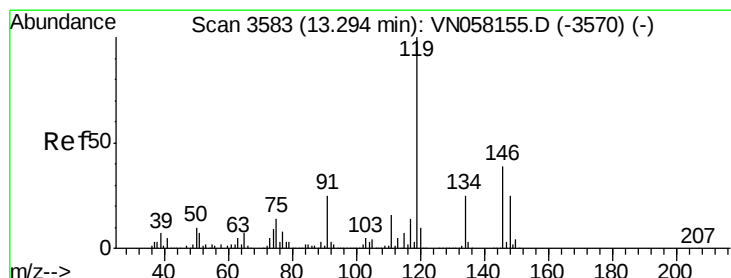
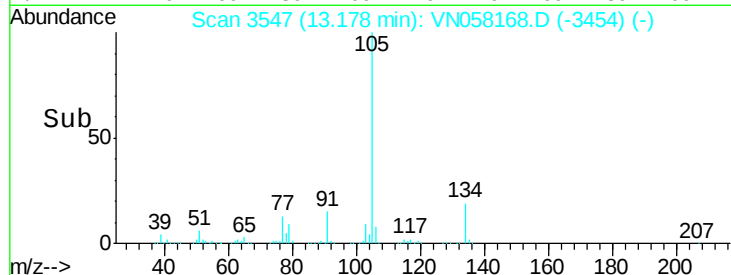
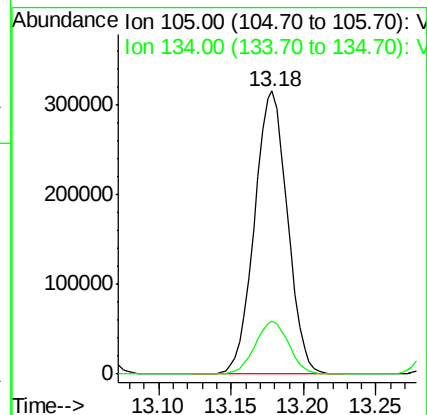
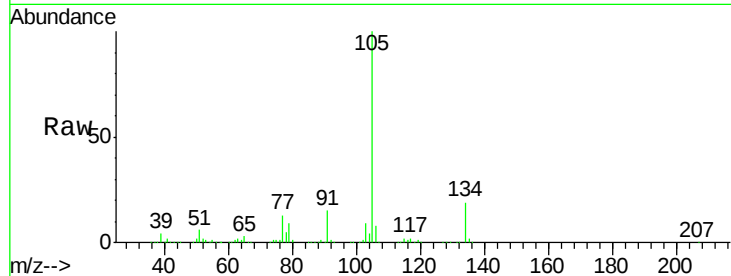
134 19.0 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.081 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

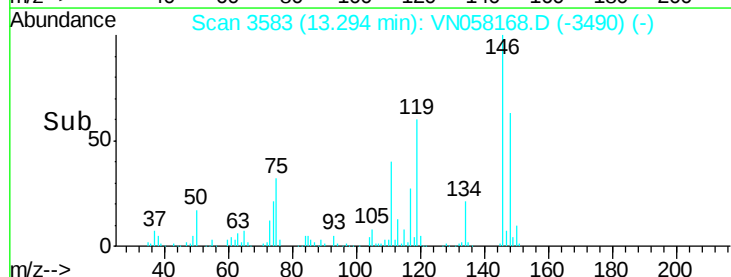
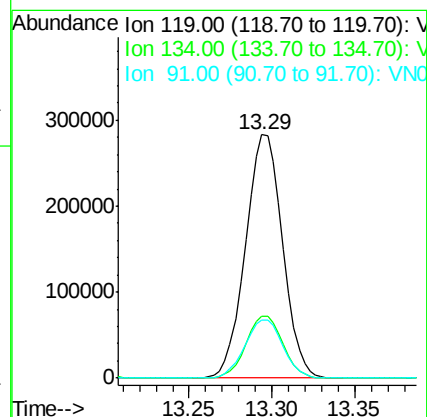
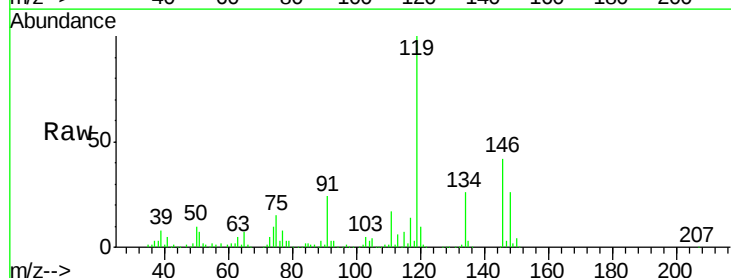
Tgt Ion:119 Resp: 439353

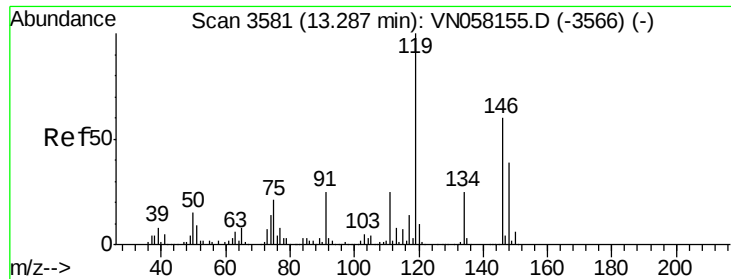
Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.0

91 24.7 12.3 36.8





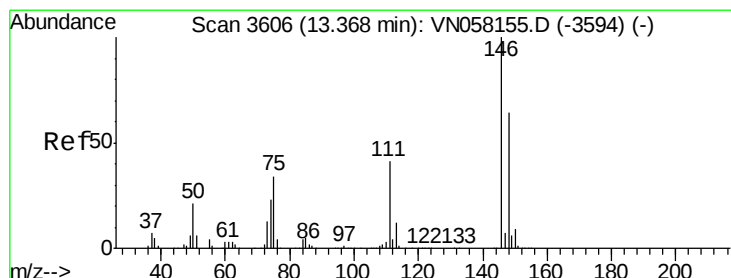
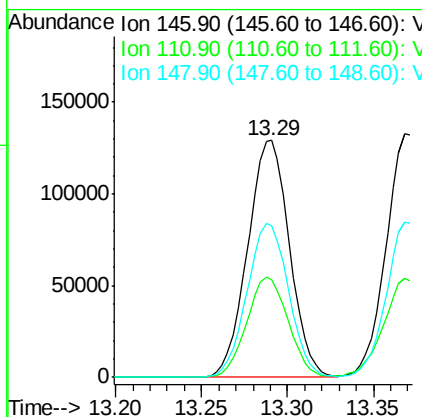
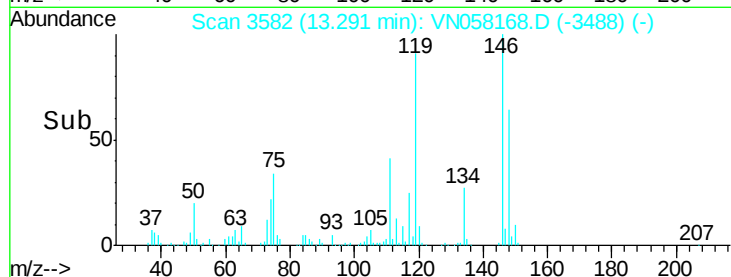
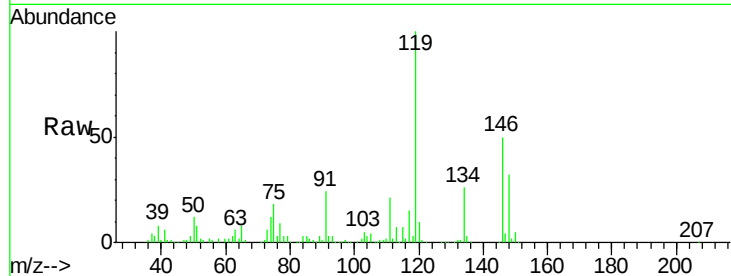
#87
 1,3-Dichlorobenzene
 Concen: 19.925 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058168.D
 Acq: 18 Sep 2019 17:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0918WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	217627		
111	42.0	20.9	62.8	
148	64.7	32.0	96.2	

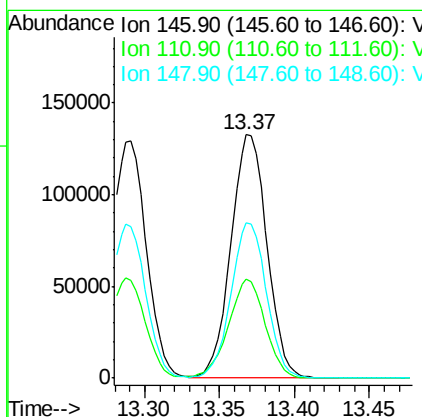
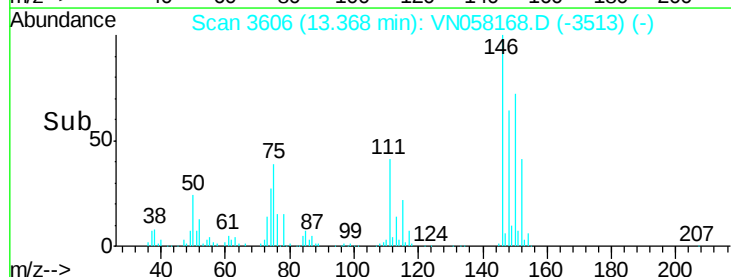
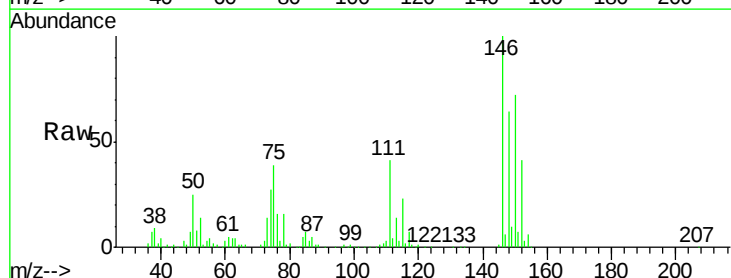
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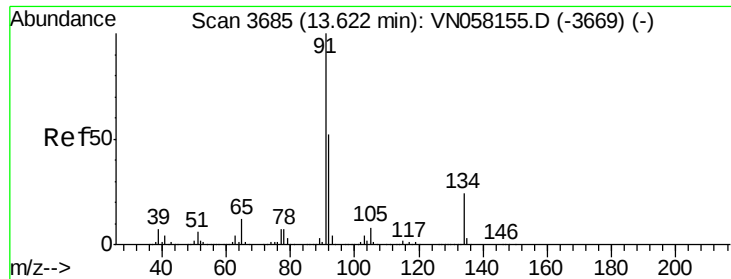
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#88
 1,4-Dichlorobenzene
 Concen: 19.913 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058168.D
 Acq: 18 Sep 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	222047		
111	41.2	20.5	61.5	
148	62.8	31.9	95.5	





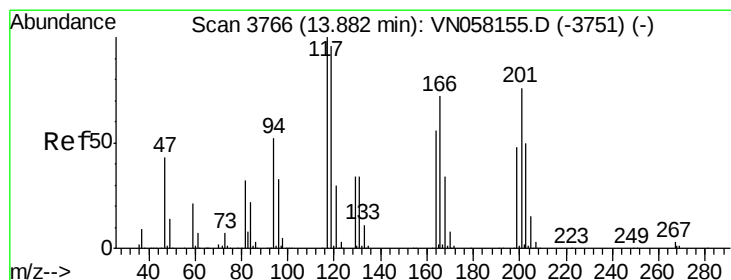
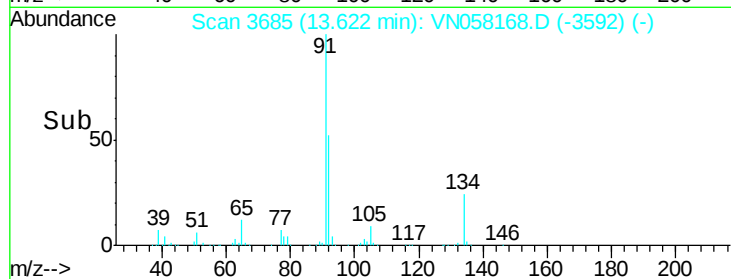
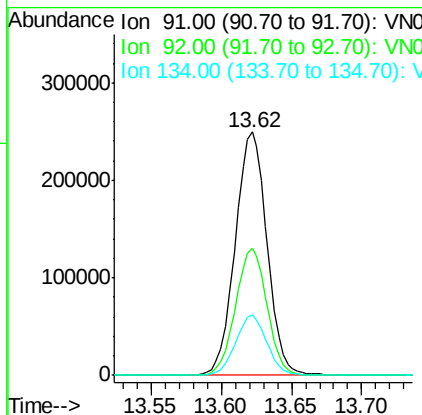
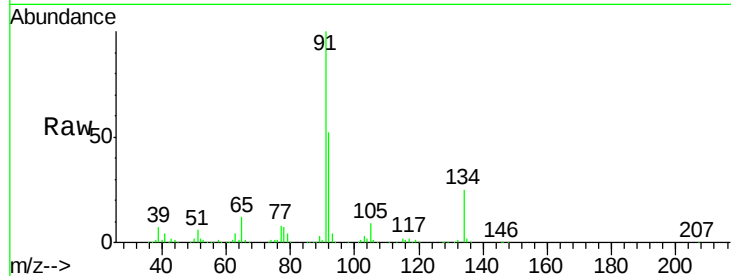
#89
n-Butylbenzene
Concen: 19.928 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058168.D
Acq: 18 Sep 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN0918WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.7	77.0
134	24.3	11.8	35.4

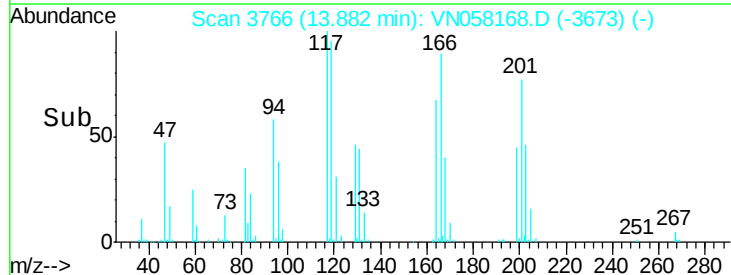
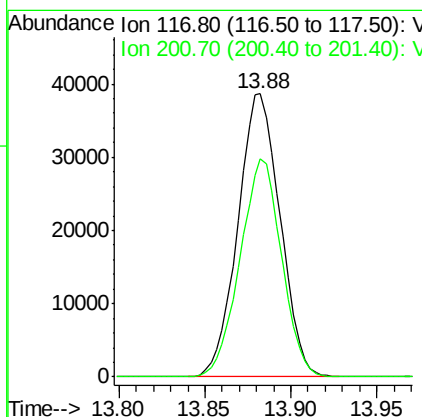
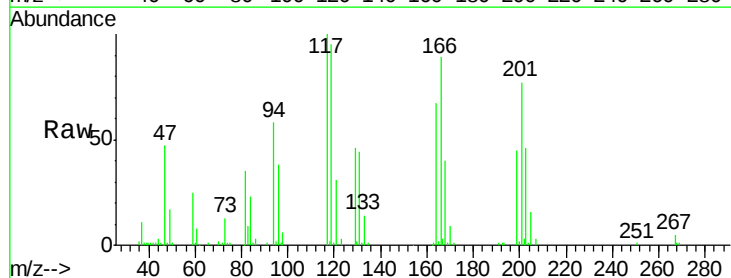
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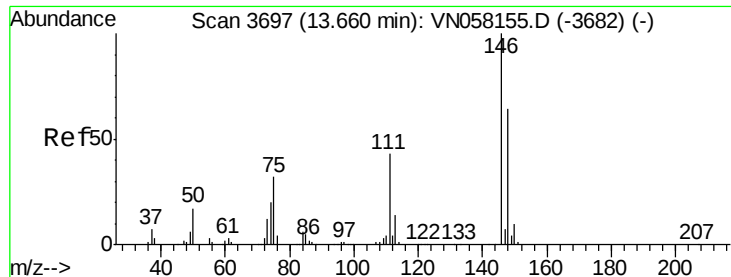
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#90
Hexachloroethane
Concen: 19.829 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058168.D
Acq: 18 Sep 2019 17:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.4	37.5	112.5





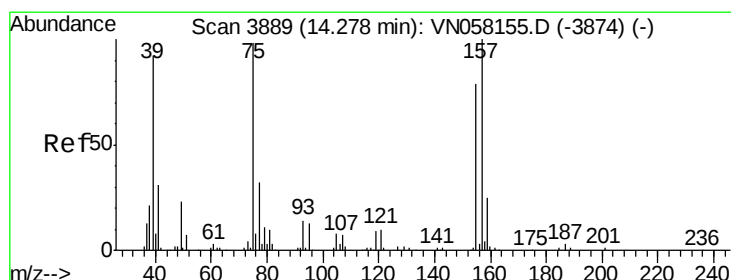
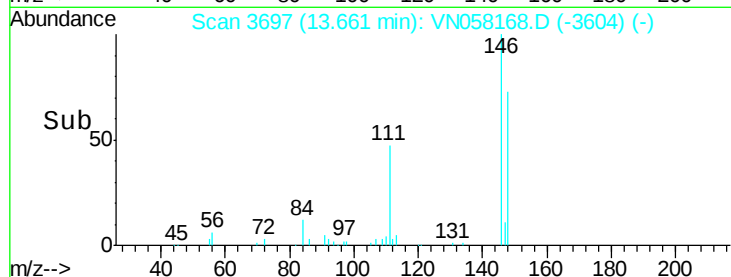
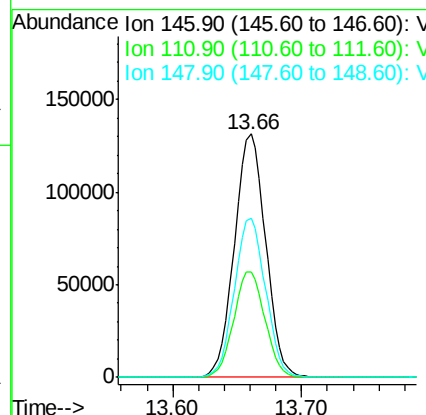
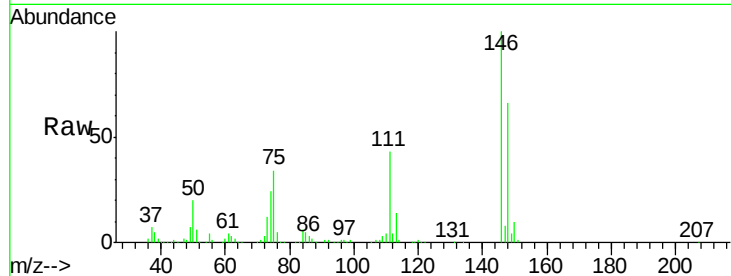
#91
 1,2-Dichlorobenzene
 Concen: 20.209 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058168.D
 Acq: 18 Sep 2019 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	221412		
111	43.3	21.1	63.1	
148	65.1	31.8	95.4	

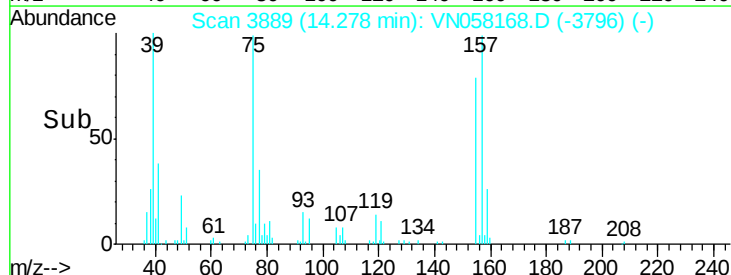
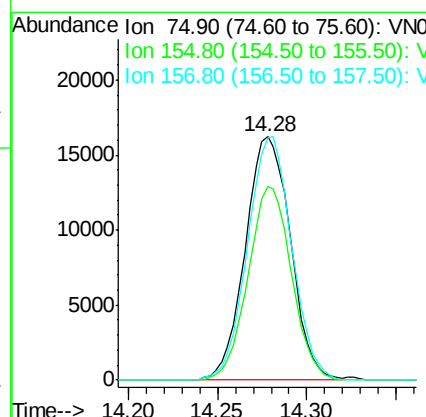
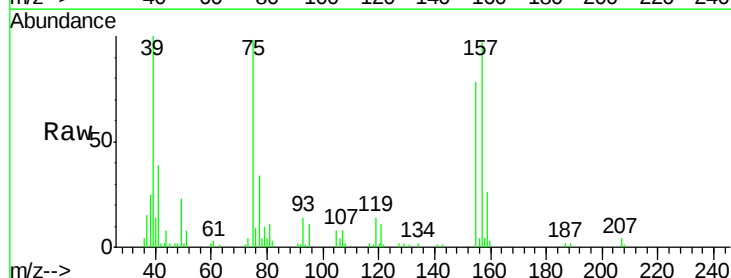
Manual Integrations
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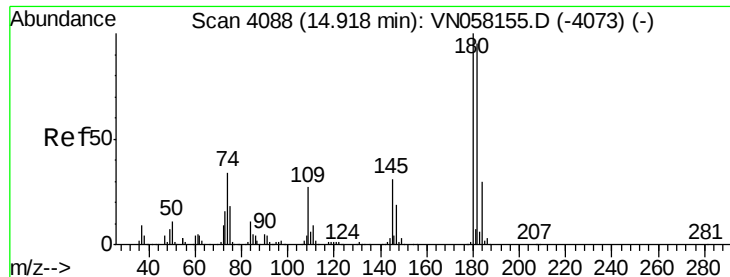
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.069 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058168.D
 Acq: 18 Sep 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28763		
155	76.2	38.3	114.8	
157	98.1	48.0	144.0	





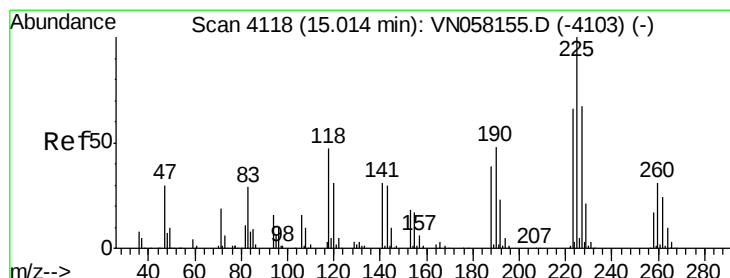
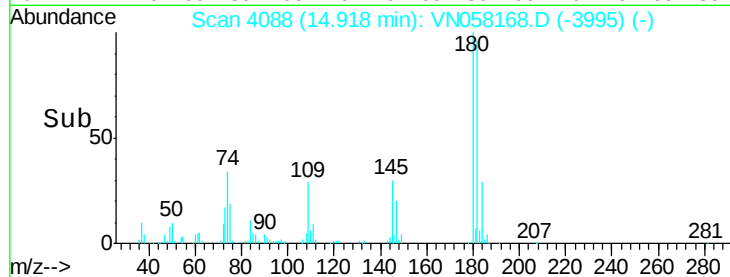
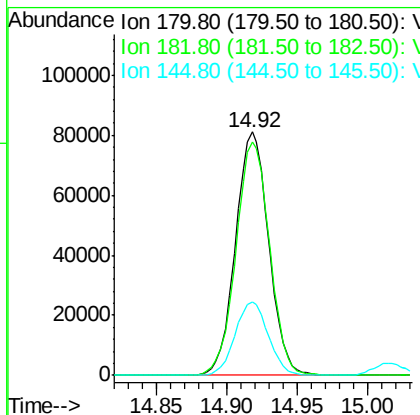
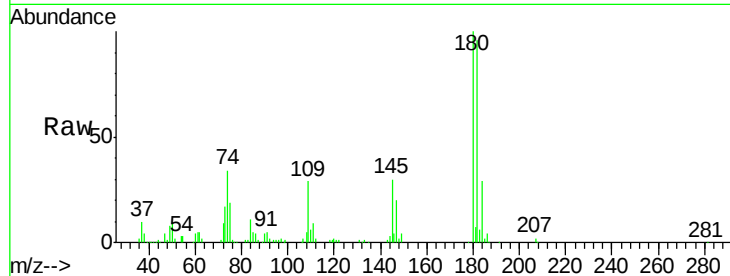
#93
 1,2,4-Trichlorobenzene
 Concen: 19.141 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058168.D
 Acq: 18 Sep 2019 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	133992		
182	97.1	47.8	143.3	
145	30.1	15.4	46.4	

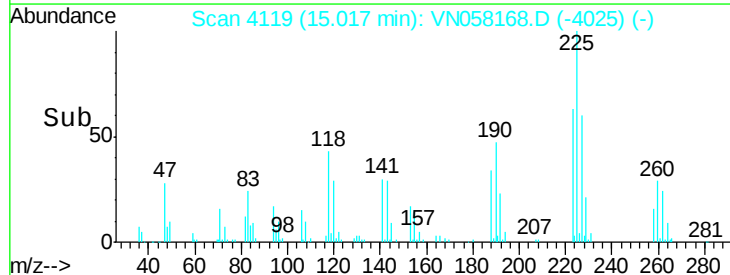
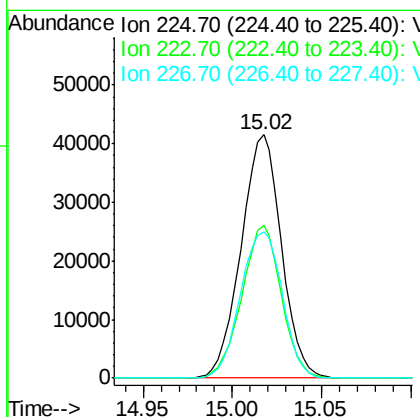
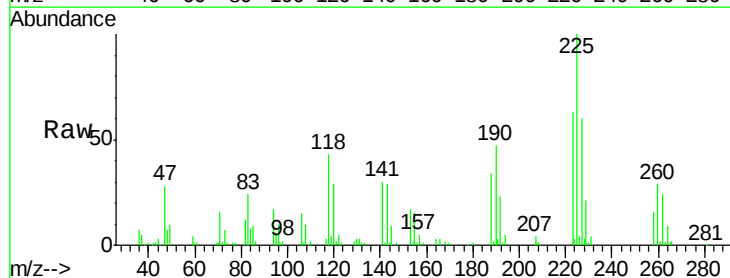
Manual Integrations
 APPROVED

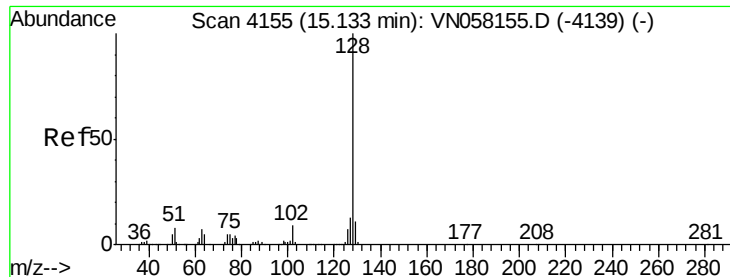
MMDadoda
 9/20/2019 1:43:53 PM



#94
 Hexachlorobutadiene
 Concen: 19.445 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058168.D
 Acq: 18 Sep 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65791		
223	61.2	32.6	97.7	
227	62.4	33.0	99.0	





#95

Naphthalene

Concen: 20.553 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Instrument :

MSVOA_N

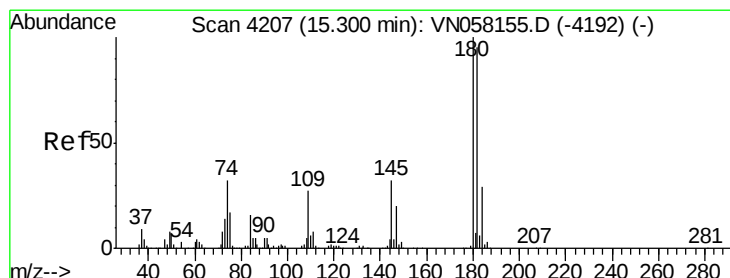
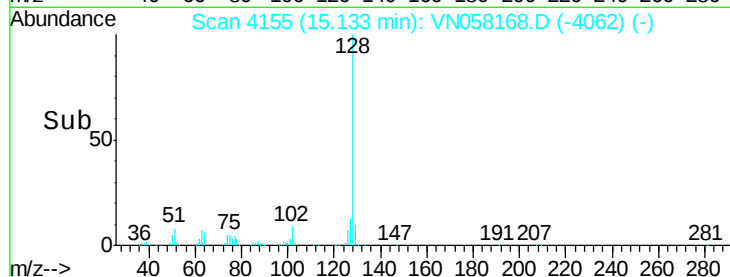
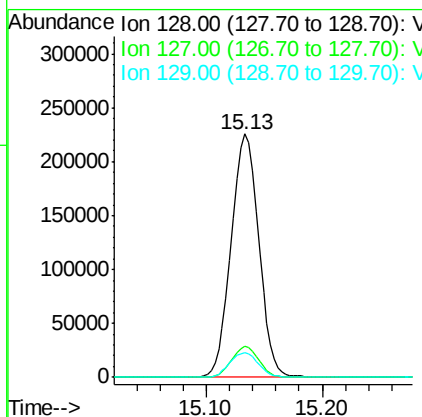
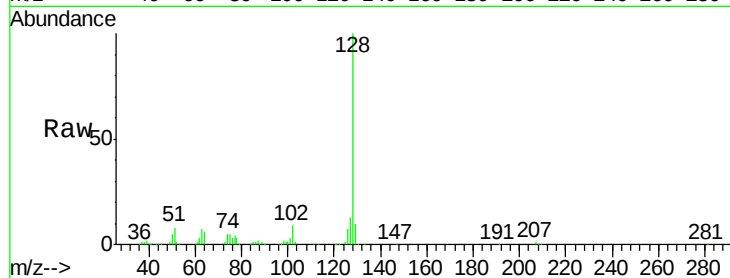
ClientSampleId :

VN0918WBS01

Tot Ion:	128	Resp:	372856
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.2	15.2
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/20/2019 1:43:53 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.658 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058168.D

Acq: 18 Sep 2019 17:36

Tgt Ion:	180	Resp:	130065
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.4	142.2
145	32.3	16.1	48.2

