

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053057.D
 Acq On : 20 Dec 2018 15:28
 Operator : MD\SY
 Sample : VN1220WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 9:21:19 AM

Quant Time: Dec 21 01:09:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1034006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1590217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1396319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	643502	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	556043	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
35) Dibromofluoromethane	7.59	113	437075	60.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.34%	
50) Toluene-d8	10.09	98	2006579	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.40	95	686818	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	196422	18.770	ug/l	99
3) Chloromethane	2.06	50	240156	18.938	ug/l	99
4) Vinyl Chloride	2.19	62	243160	18.933	ug/l	99
5) Bromomethane	2.57	94	155980	17.529	ug/l	99
6) Chloroethane	2.71	64	146714	19.288	ug/l	99
7) Trichlorofluoromethane	3.03	101	313213	19.577	ug/l	98
8) Diethyl Ether	3.41	74	121984	20.210	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	194003	19.018	ug/l	98
10) Methyl Iodide	3.96	142	276569	19.306	ug/l	98
11) Tert butyl alcohol	4.78	59	65541	102.367	ug/l	97
12) 1,1-Dichloroethene	3.74	96	192414	19.524	ug/l	96
13) Acrolein	3.61	56	56187	96.783	ug/l	98
14) Allyl chloride	4.33	41	289906	18.991	ug/l	99
15) Acrylonitrile	4.99	53	356379	100.193	ug/l	99
16) Acetone	3.82	43	219902	106.884	ug/l	95
17) Carbon Disulfide	4.06	76	527891	16.424	ug/l	99
18) Methyl Acetate	4.33	43	181397	20.032	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	541172	20.519	ug/l	99
20) Methylene Chloride	4.55	84	219479	19.557	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	202267	19.102	ug/l	99
22) Diisopropyl ether	5.95	45	667607	20.488	ug/l	99
23) Vinyl Acetate	5.90	43	1959798	104.593	ug/l	98
24) 1,1-Dichloroethane	5.85	63	383334	19.797	ug/l	99
25) 2-Butanone	6.84	43	371778	107.674	ug/l	98
26) 2,2-Dichloropropane	6.83	77	260705	17.638	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	235015	19.605	ug/l	99
28) Bromochloromethane	7.20	49	182878	21.796	ug/l	96
29) Tetrahydrofuran	7.21	42	267656	103.791	ug/l	98
30) Chloroform	7.37	83	372730	19.596	ug/l	100
31) Cyclohexane	7.65	56	365321	19.475	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	311972	19.253	ug/l	99
36) 1,1-Dichloropropene	7.79	75	284958	18.669	ug/l	99
37) Ethyl Acetate	6.93	43	179690	21.089	ug/l	99
38) Carbon Tetrachloride	7.78	117	260543	18.623	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	335089	18.072	ug/l	98
40) Benzene	8.04	78	889298	19.588	ug/l	99
41) Methacrylonitrile	7.17	41	104704	21.267	ug/l	95
42) 1,2-Dichloroethane	8.12	62	265205	19.774	ug/l	99
43) Isopropyl Acetate	8.17	43	328343	19.271	ug/l	99
44) Trichloroethene	8.84	130	243032	18.507	ug/l	99
45) 1,2-Dichloropropane	9.12	63	235084	19.879	ug/l	99
46) Dibromomethane	9.21	93	133958	19.446	ug/l	98
47) Bromodichloromethane	9.40	83	276410	18.876	ug/l	98
48) Methyl methacrylate	9.20	41	164116	19.849	ug/l	99
49) 1,4-Dioxane	9.20	88	41516	396.940	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	864051	104.712	ug/l	99
52) Toluene	10.16	92	550499	19.563	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	279485	18.150	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	333462	18.867	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	197116	20.078	ug/l	98
56) Ethyl methacrylate	10.43	69	258280	19.877	ug/l	97
57) 1,3-Dichloropropane	10.71	76	335056	19.902	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	744641	104.383	ug/l	98
59) 2-Hexanone	10.75	43	578276	103.579	ug/l	99
60) Dibromochloromethane	10.90	129	207346	18.451	ug/l	100
61) 1,2-Dibromoethane	11.00	107	193493	19.406	ug/l	100
64) Tetrachloroethene	10.63	164	280796	18.565	ug/l	100
65) Chlorobenzene	11.43	112	598042	19.321	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	208764	19.395	ug/l	99
67) Ethyl Benzene	11.51	91	1037078	19.483	ug/l	100
68) m/p-Xylenes	11.62	106	785394	38.812	ug/l	100
69) o-Xylene	11.95	106	380996	19.621	ug/l	99
70) Styrene	11.96	104	626744	19.794	ug/l	99
71) Bromoform	12.13	173	138330	17.790	ug/l #	99
73) Isopropylbenzene	12.25	105	1011723	20.094	ug/l	100
74) N-amyl acetate	12.07	43	289077	20.680	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	214010	21.666	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	194337m	17.940	ug/l	
77) Bromobenzene	12.53	156	258626	19.761	ug/l	99
78) n-propylbenzene	12.59	91	1128432	19.679	ug/l	99
79) 2-Chlorotoluene	12.68	91	676431	19.031	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	810785	19.757	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	59322	17.650	ug/l	99
82) 4-Chlorotoluene	12.77	91	684340	19.668	ug/l	100
83) tert-Butylbenzene	12.99	119	712918	19.642	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	839814	20.357	ug/l	100
85) sec-Butylbenzene	13.17	105	926345	18.870	ug/l	99
86) p-Isopropyltoluene	13.29	119	800877	18.880	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	442894	19.120	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	433132	18.464	ug/l	98
89) n-Butylbenzene	13.62	91	638293	17.490	ug/l	100
90) Hexachloroethane	13.88	117	112928	17.348	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	424078	19.453	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32262	18.890	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	202142	17.889	ug/l	99
94) Hexachlorobutadiene	15.01	225	121665	18.537	ug/l	100
95) Naphthalene	15.13	128	438151	18.067	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	180883	17.722	ug/l	100

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

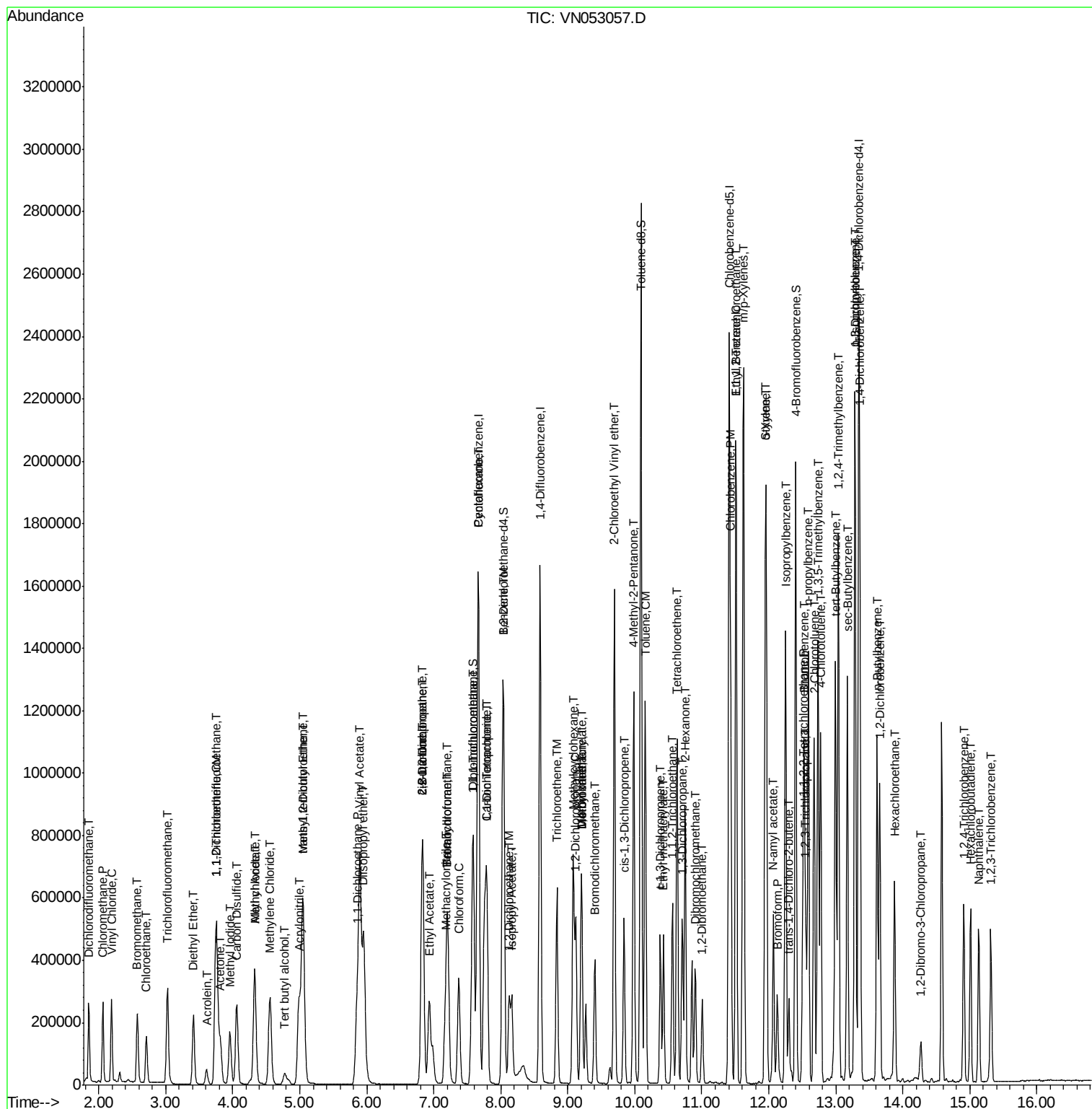
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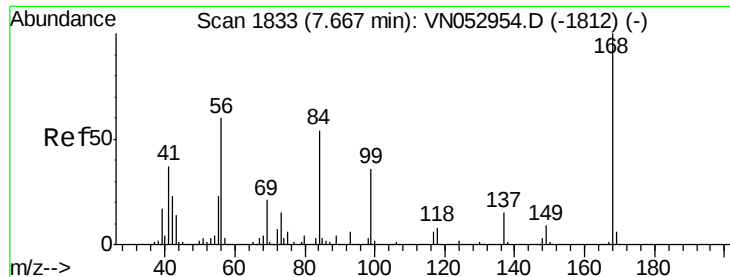
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBSD01

Tot Ion:168 Resp: 1034006

Ion Ratio Lower Upper

168 100

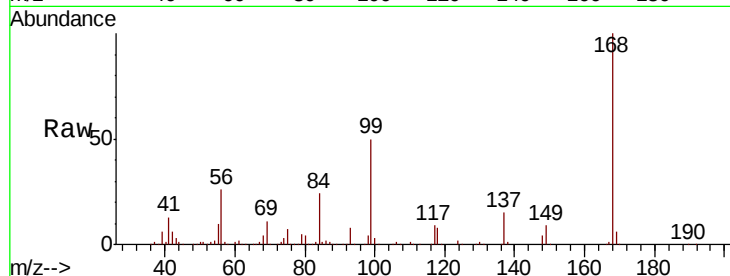
99 50.0 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

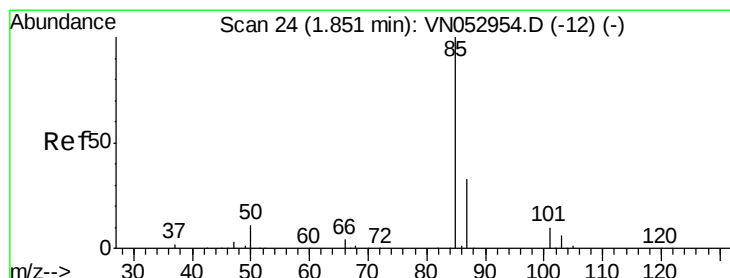
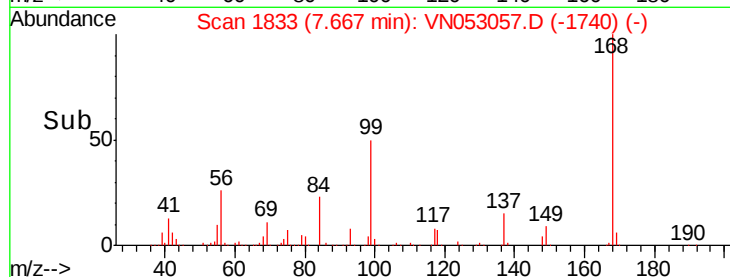
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.770 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053057.D

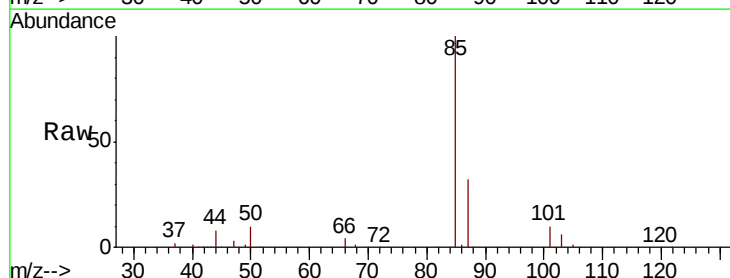
Acq: 20 Dec 2018 15:28

Tgt Ion: 85 Resp: 196422

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

150000

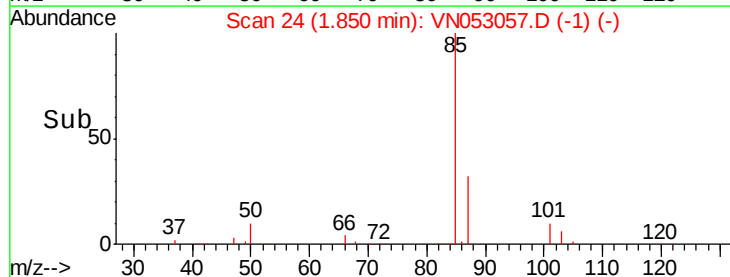
100000

50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.938 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

ClientSampled :

VN1220WBSD01

Tot Ion: 50 Resp: 240156

Ion Ratio Lower Upper

50 100

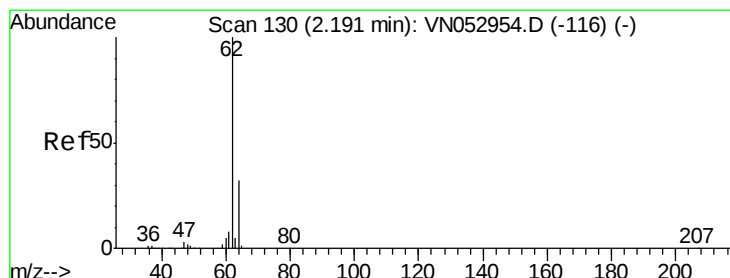
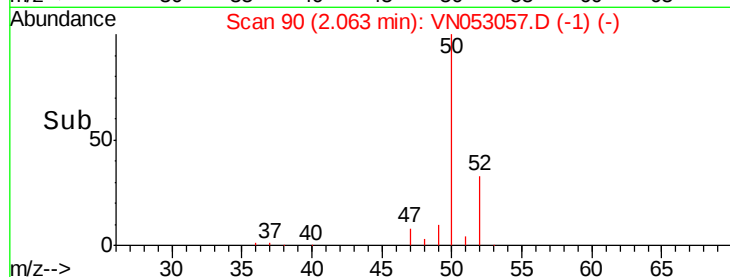
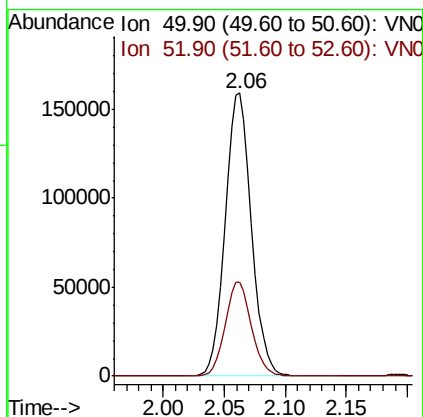
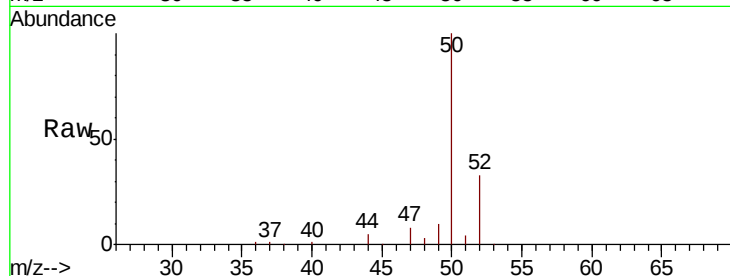
52 33.4 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.933 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053057.D

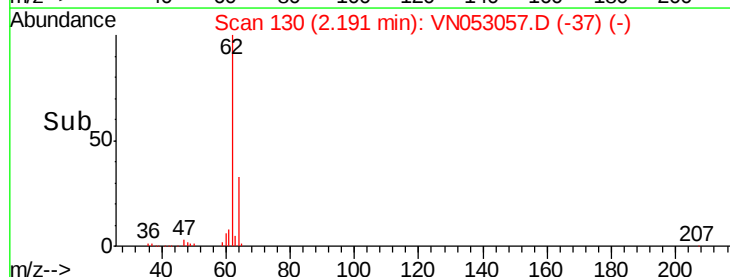
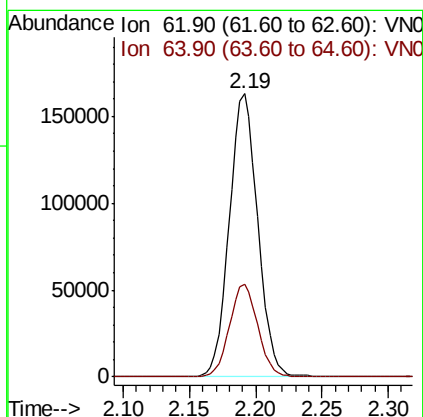
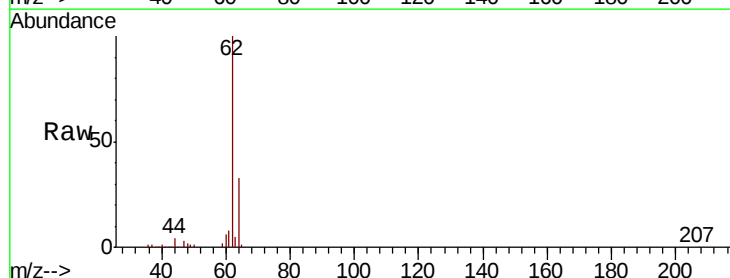
Acq: 20 Dec 2018 15:28

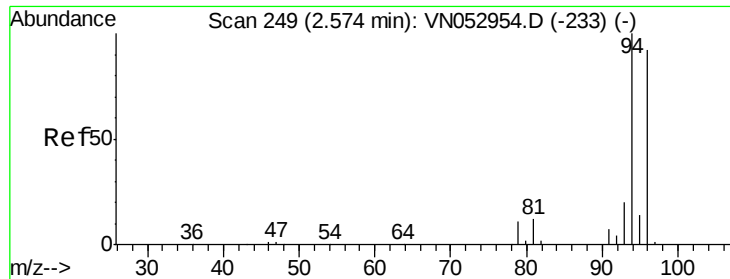
Tgt Ion: 62 Resp: 243160

Ion Ratio Lower Upper

62 100

64 32.7 25.5 38.3





#5

Bromomethane

Concen: 17.529 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

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Tot Ion: 94 Resp: 155980

Ion Ratio Lower Upper

94 100

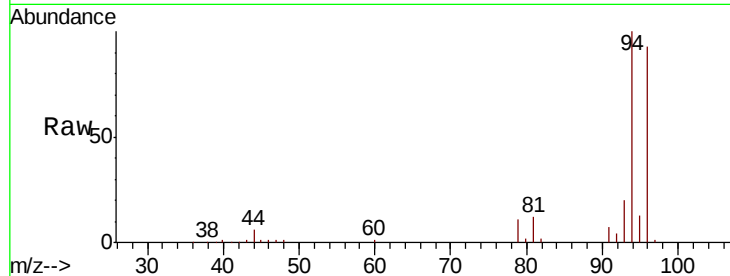
96 92.9 75.0 112.4

Manual Integrations

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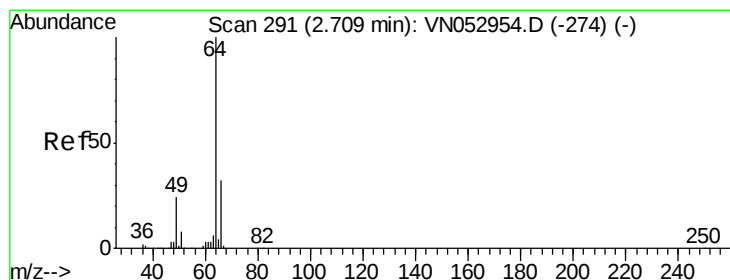
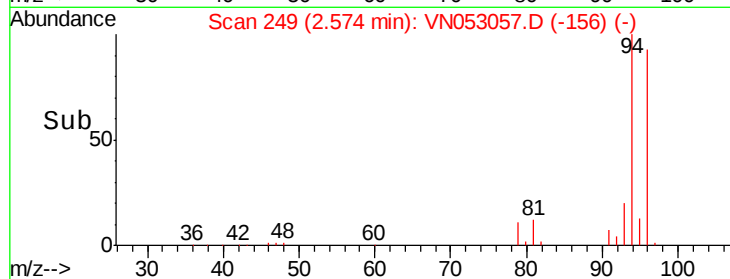
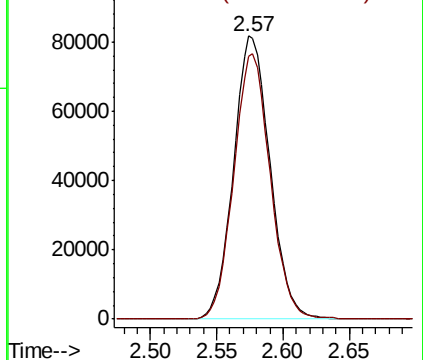
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.288 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053057.D

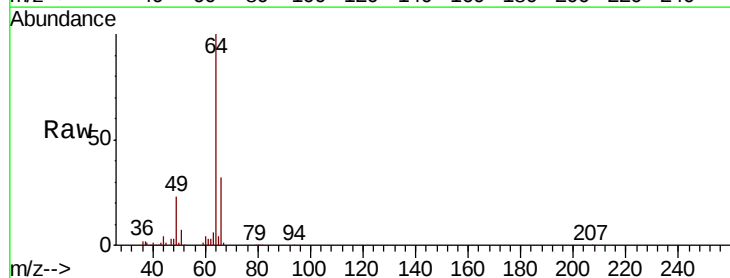
Acq: 20 Dec 2018 15:28

Tgt Ion: 64 Resp: 146714

Ion Ratio Lower Upper

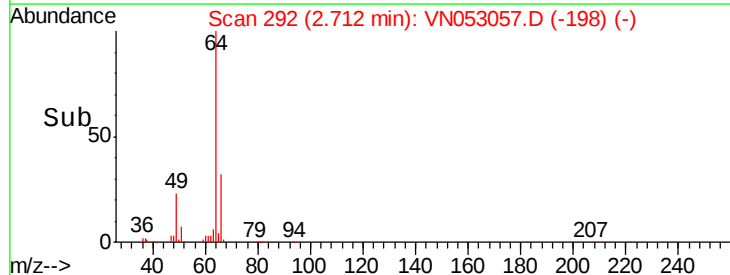
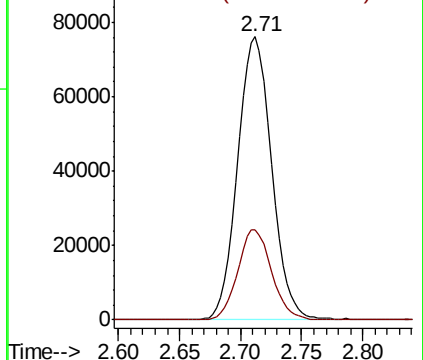
64 100

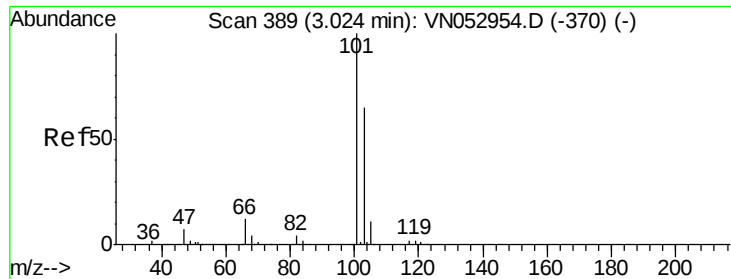
66 32.0 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

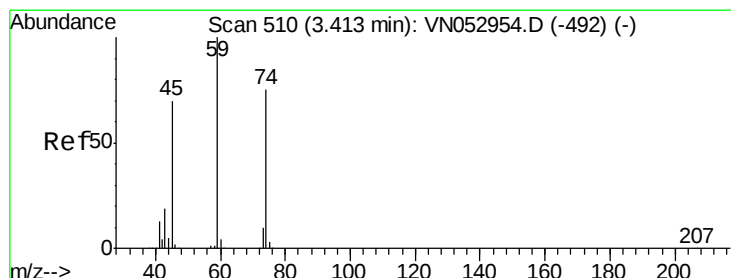
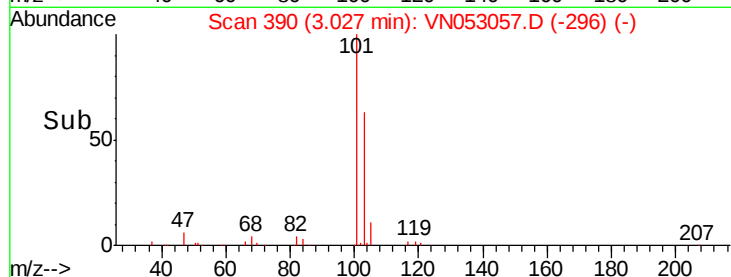
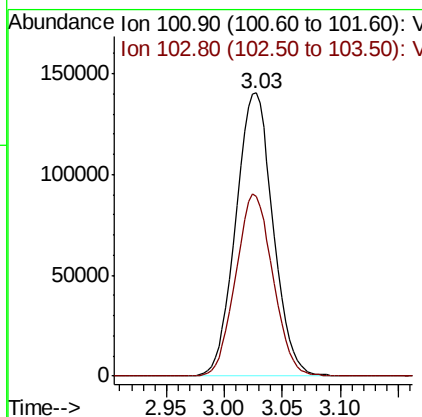
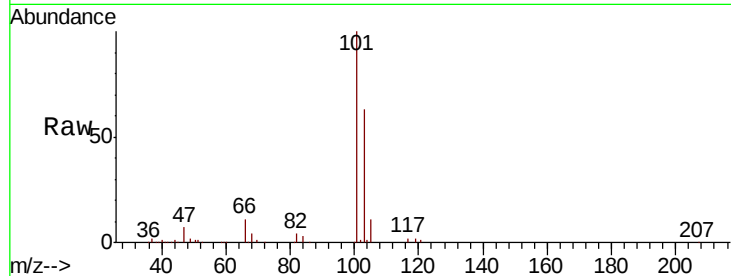
Trichlorofluoromethane
 Concen: 19.577 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.8	77.6

Manual Integrations
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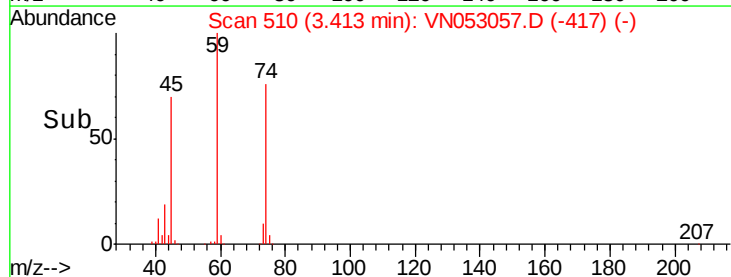
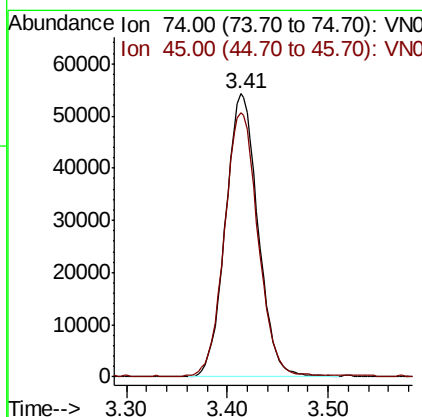
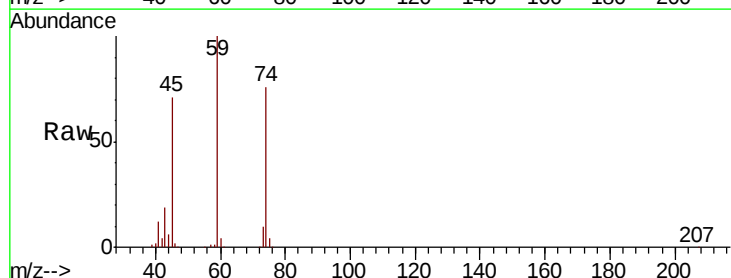
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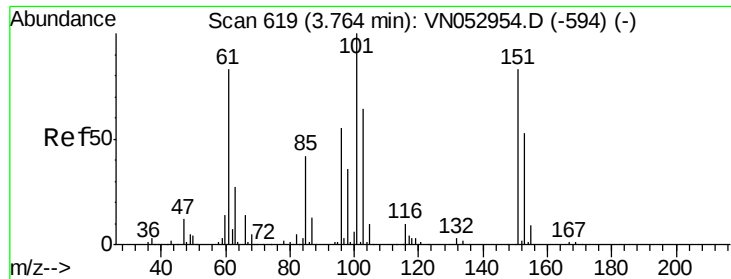


#8

Diethyl Ether
 Concen: 20.210 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053057.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.018 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

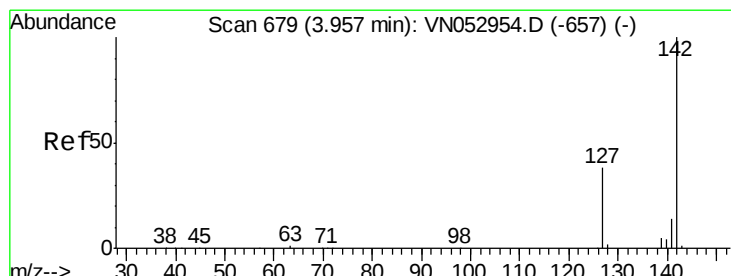
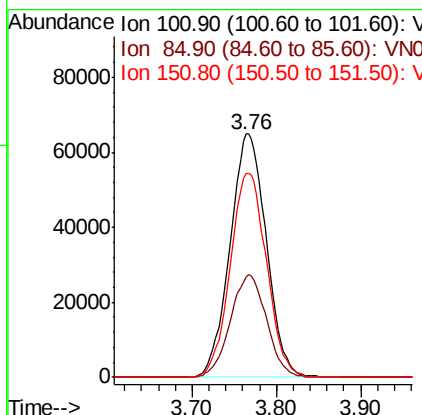
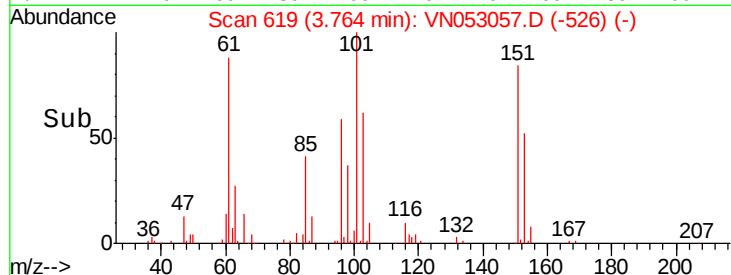
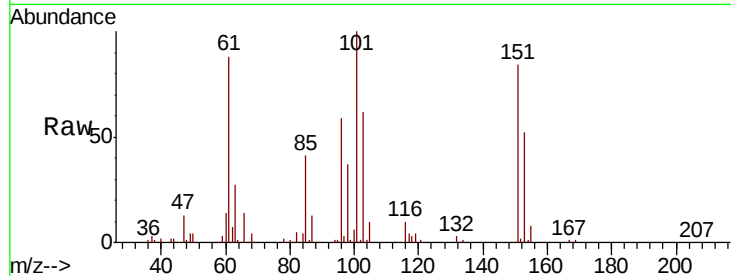
ClientSampleId :

VN1220WBSD01

Tot Ion:	101	Resp:	194003
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.6	50.4
151	83.9	65.5	98.3

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#10

Methyl Iodide

Concen: 19.306 ug/l

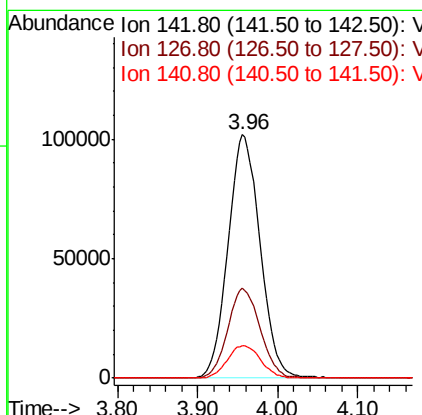
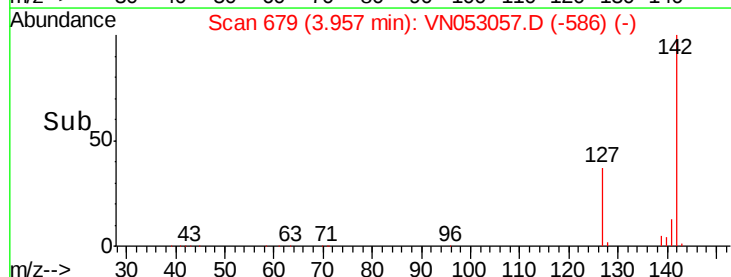
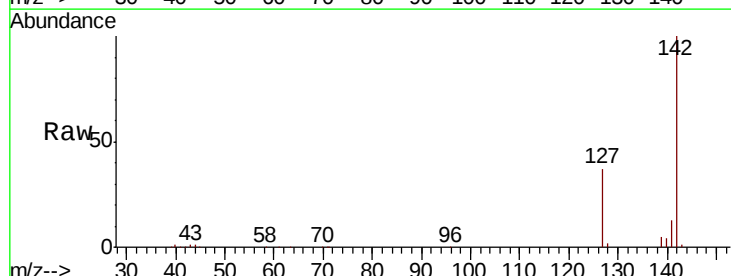
RT: 3.96 min Scan# 679

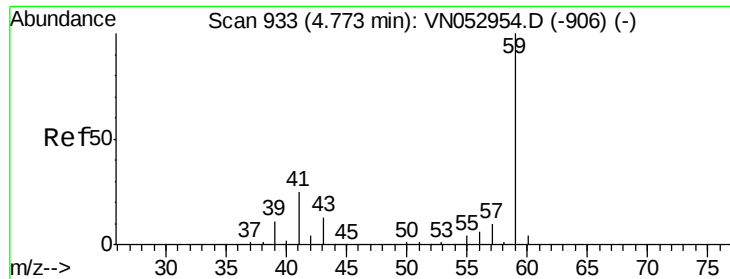
Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Tgt Ion:	142	Resp:	276569
Ion Ratio	Lower	Upper	
142	100		
127	37.3	31.0	46.6
141	13.9	11.2	16.8





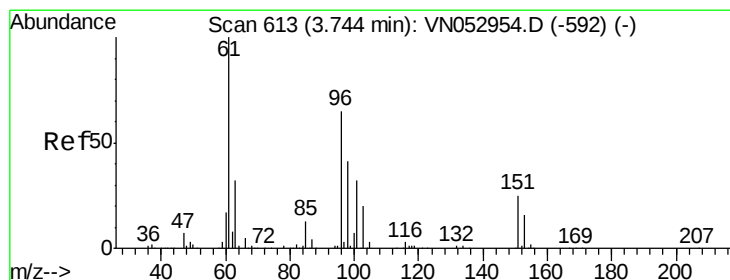
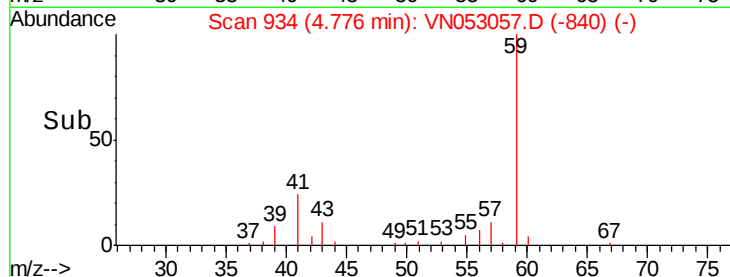
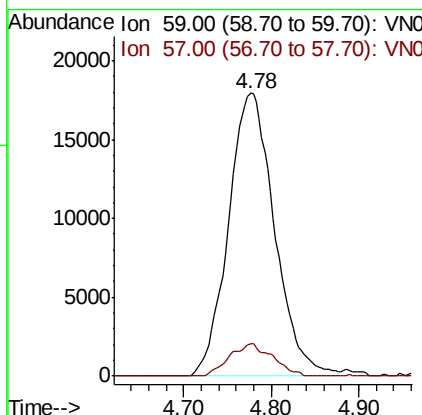
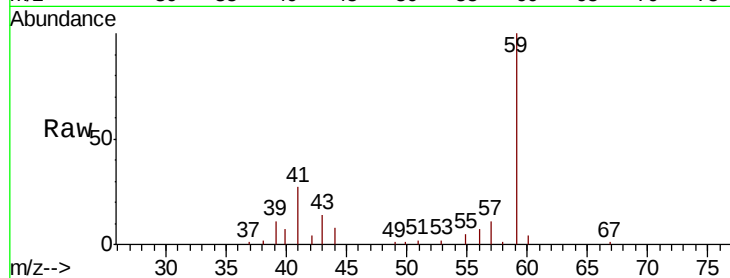
#11
Tert butyl alcohol
Concen: 102.367 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	7.7	11.5

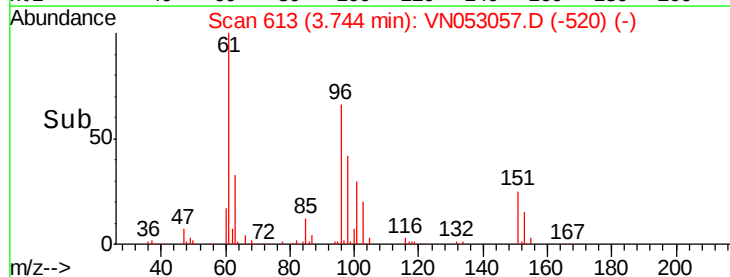
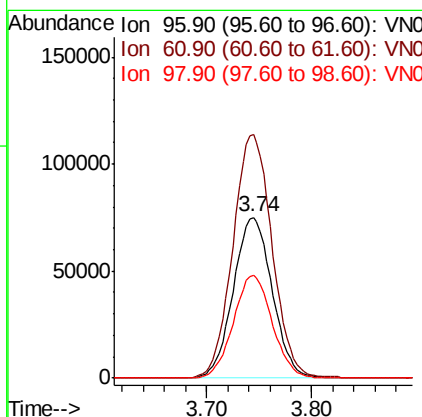
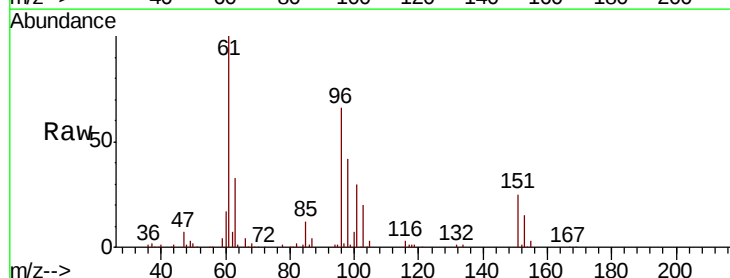
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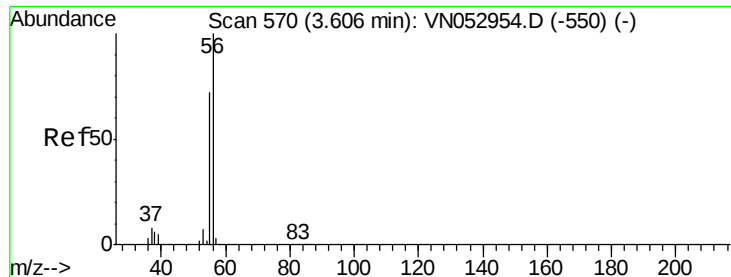
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.524 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.9	125.6	188.4
98	63.7	50.6	75.8





#13

Acrolein

Concen: 96.783 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBSD01

Tot Ion: 56 Resp: 56187

Ion Ratio Lower Upper

56 100

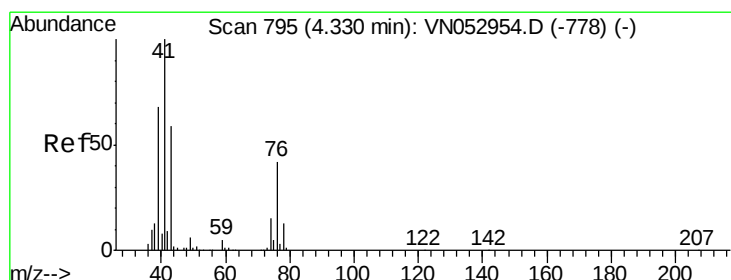
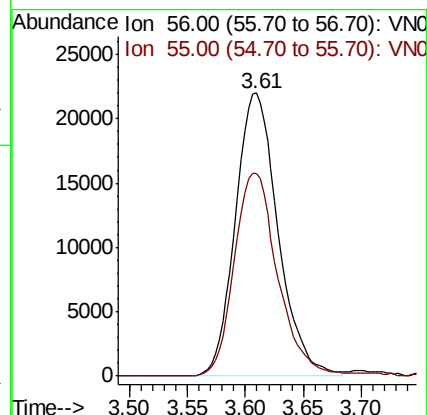
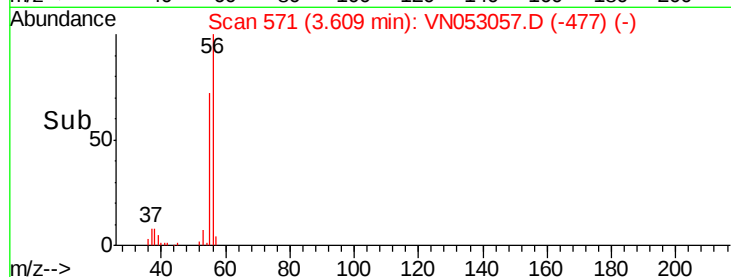
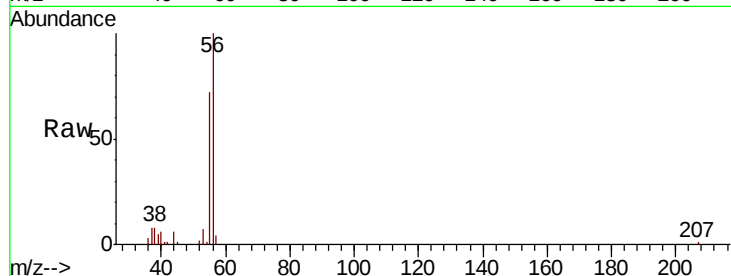
55 72.8 56.6 85.0

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#14

Allyl chloride

Concen: 18.991 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

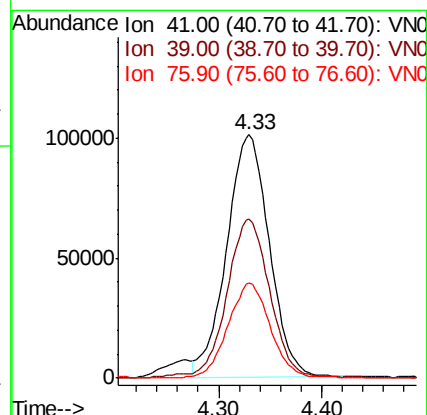
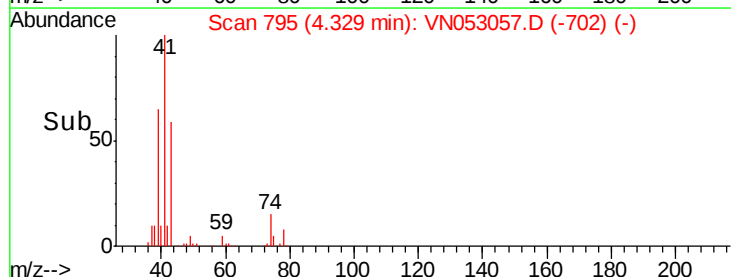
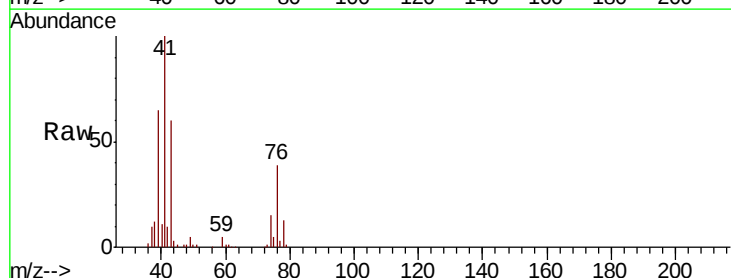
Tgt Ion: 41 Resp: 289906

Ion Ratio Lower Upper

41 100

39 66.8 54.1 81.1

76 37.9 30.3 45.5





#15

Acrylonitrile

Concen: 100.193 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

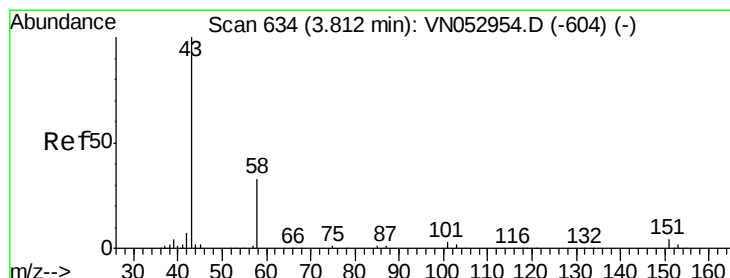
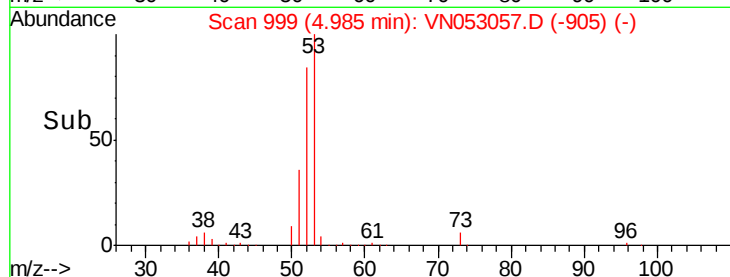
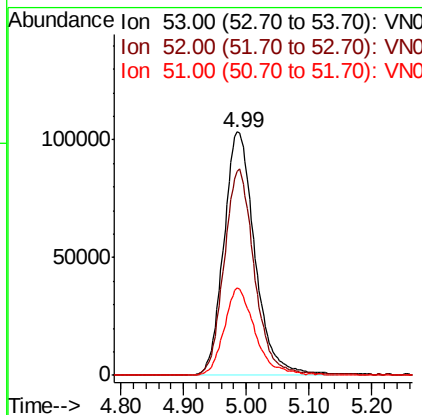
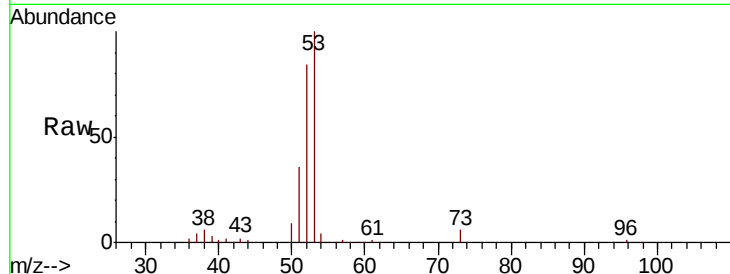
ClientSampleId :

VN1220WBSD01

Tot Ion:	53	Resp:	356379
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.1	97.7
51	35.5	28.1	42.1

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#16

Acetone

Concen: 106.884 ug/l

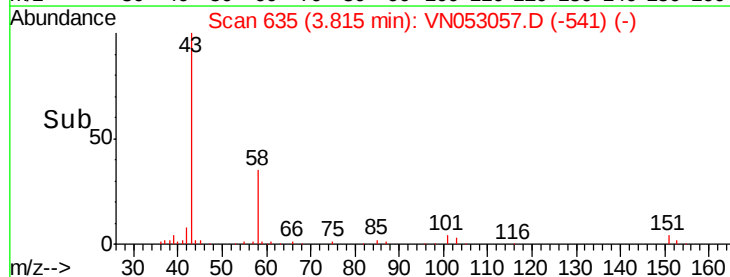
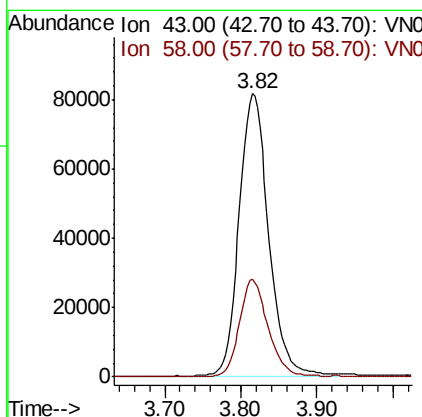
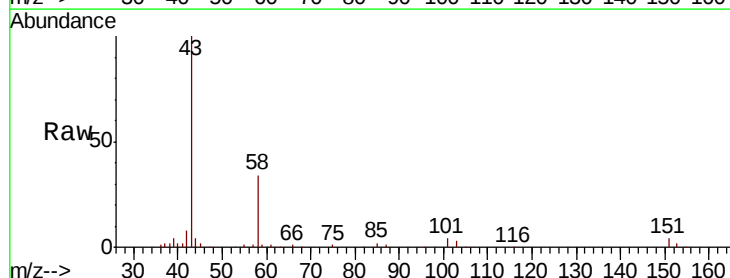
RT: 3.82 min Scan# 635

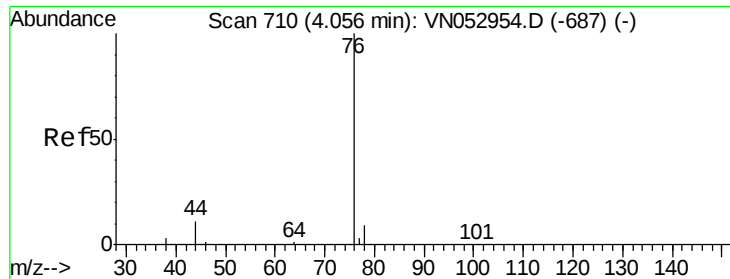
Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Tgt Ion:	43	Resp:	219902
Ion	Ratio	Lower	Upper
43	100		
58	34.5	25.4	38.0





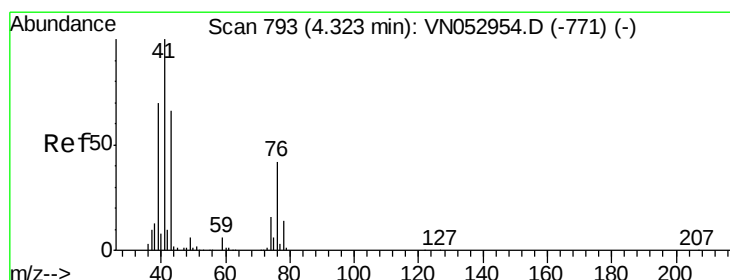
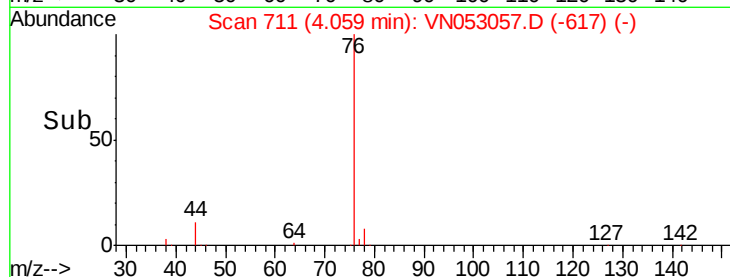
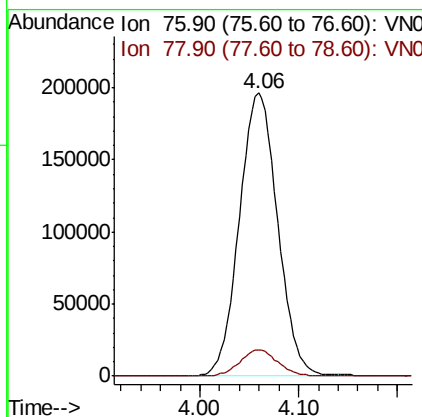
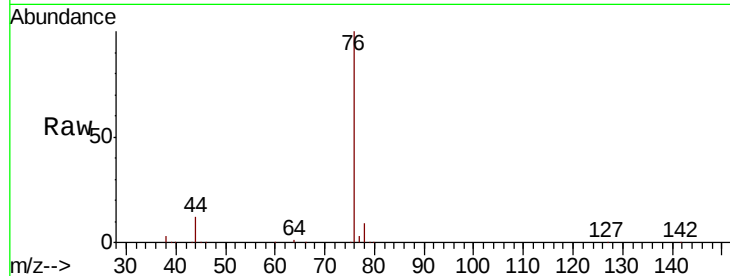
#17
Carbon Disulfide
Concen: 16.424 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

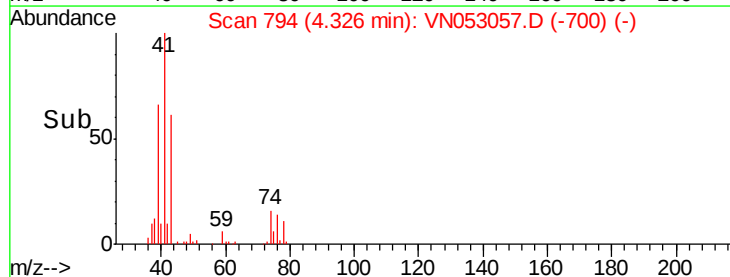
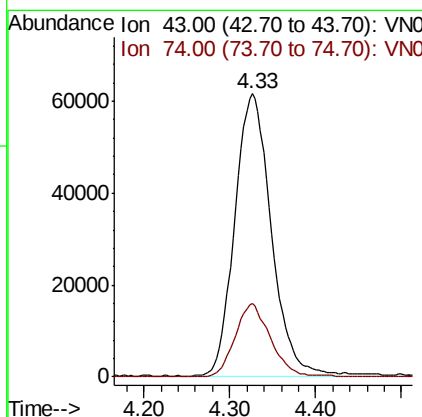
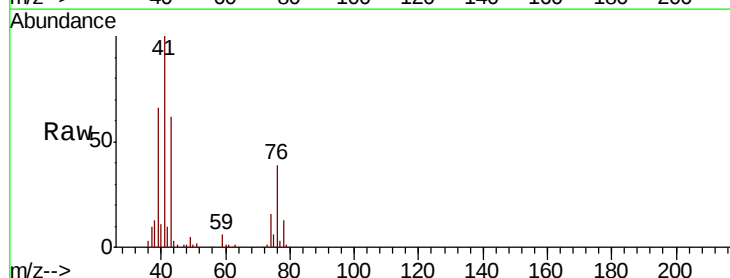
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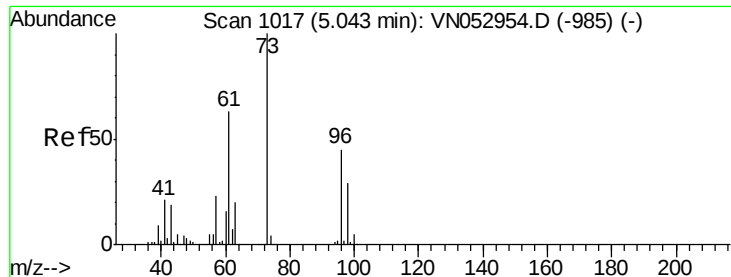
MMDadoda
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#18
Methyl Acetate
Concen: 20.032 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.2	28.8





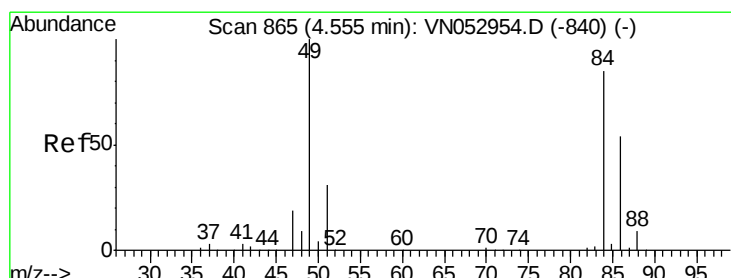
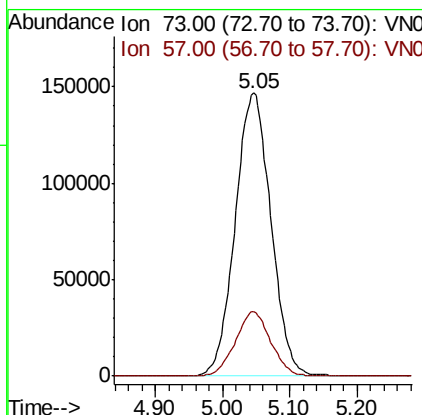
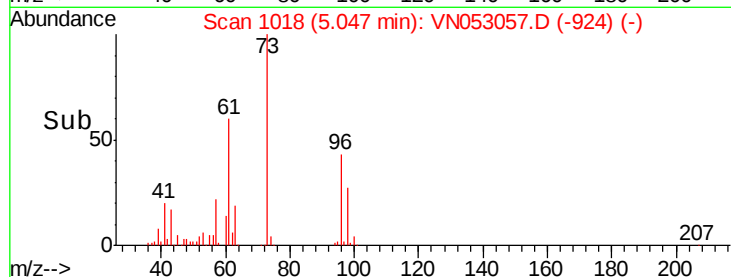
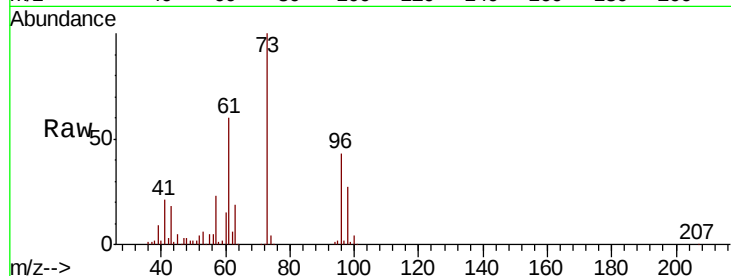
#19
Methvl tert-butvl Ether
Concen: 20.519 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD01

Tot Ion: 73 Resp: 541172
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6

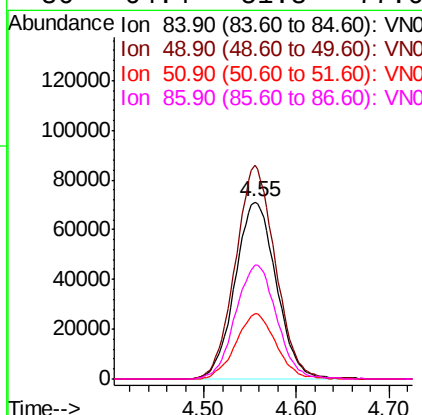
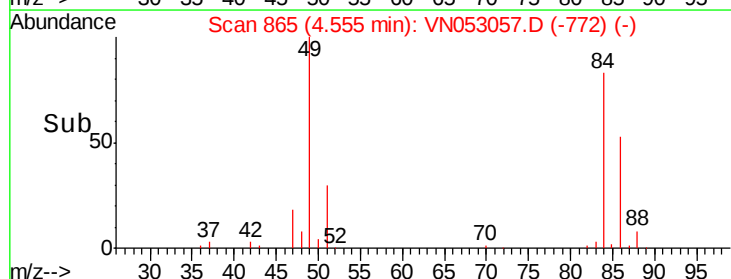
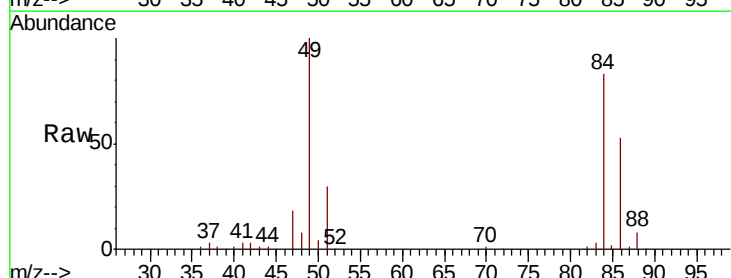
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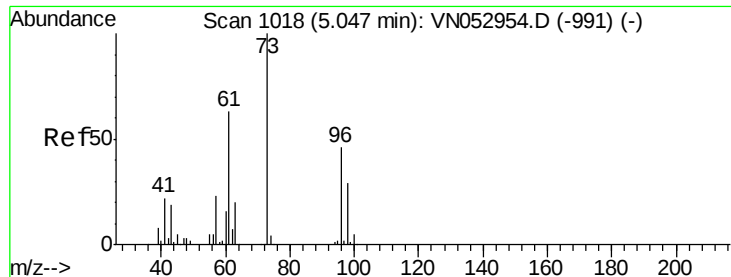
MMDadoda
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#20
Methylene Chloride
Concen: 19.557 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion: 84 Resp: 219479
Ion Ratio Lower Upper
84 100
49 120.9 96.8 145.2
51 36.7 29.9 44.9
86 64.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.102 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

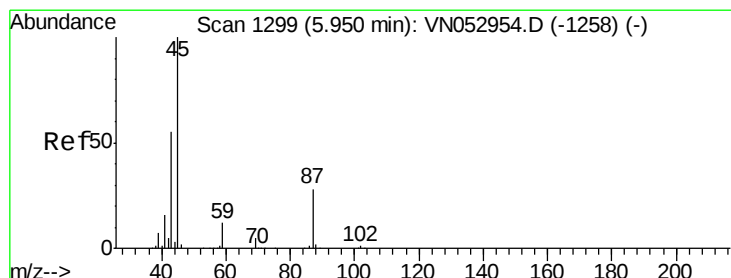
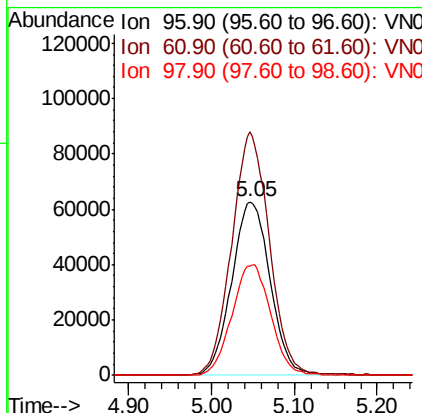
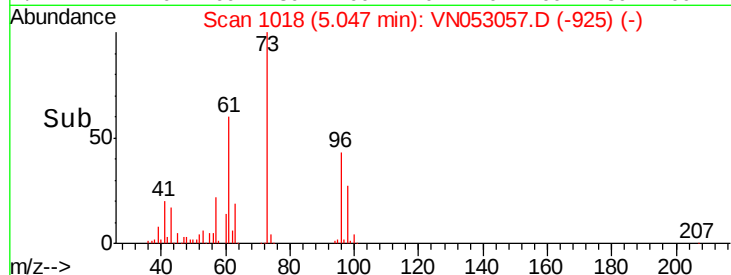
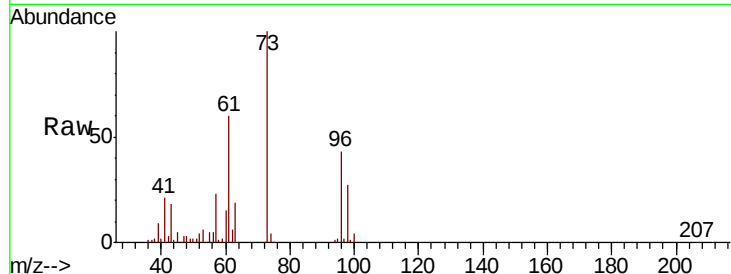
ClientSampleId :

VN1220WBSD01

Tot Ion:	96	Resp:	202267
Ion	Ratio	Lower	Upper
96	100		
61	139.9	110.8	166.2
98	62.9	51.4	77.2

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#22

Diisopropyl ether

Concen: 20.488 ug/l

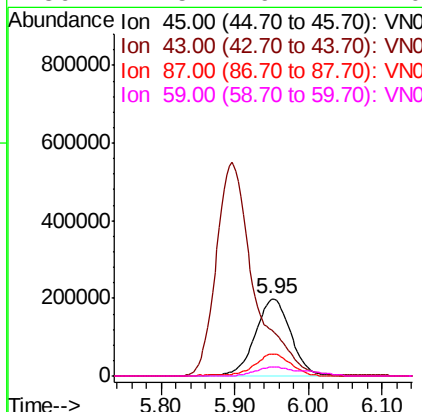
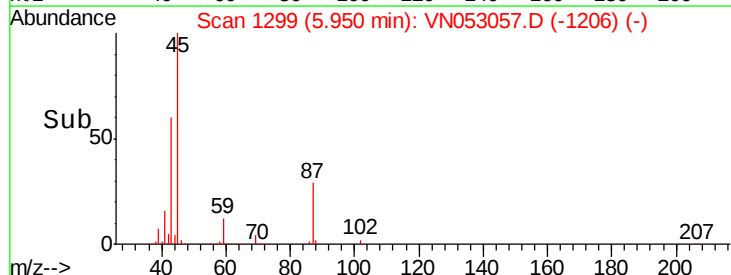
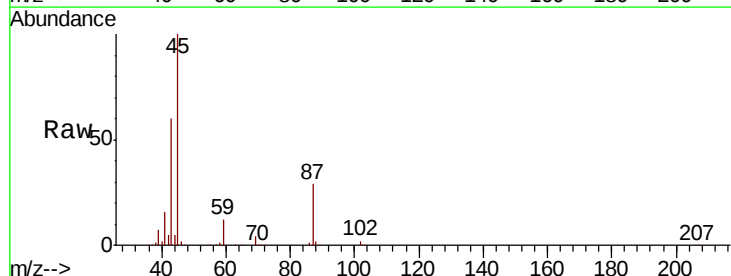
RT: 5.95 min Scan# 1299

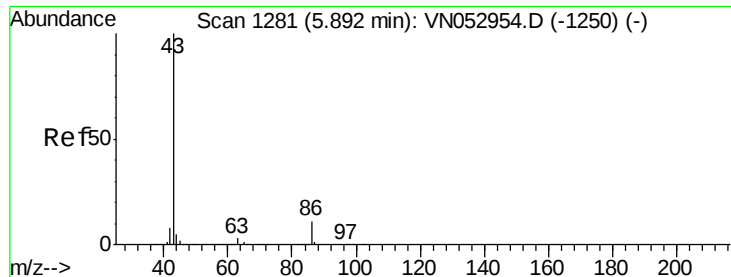
Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Tgt Ion:	45	Resp:	667607
Ion	Ratio	Lower	Upper
45	100		
43	57.8	45.5	68.3
87	28.5	22.0	33.0
59	11.5	9.4	14.0





#23

Vinyl Acetate

Concen: 104.593 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBSD01

Tot Ion: 43 Resp: 1959798

Ion Ratio Lower Upper

43 100

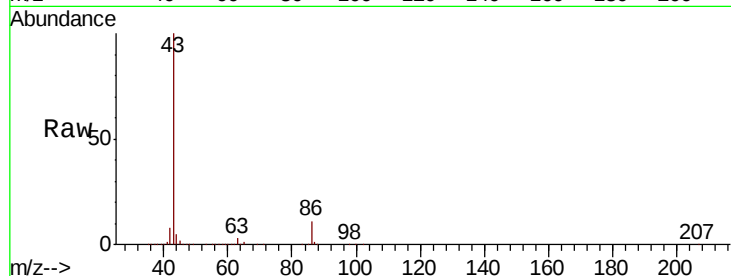
86 10.7 8.1 12.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

600000

500000

400000

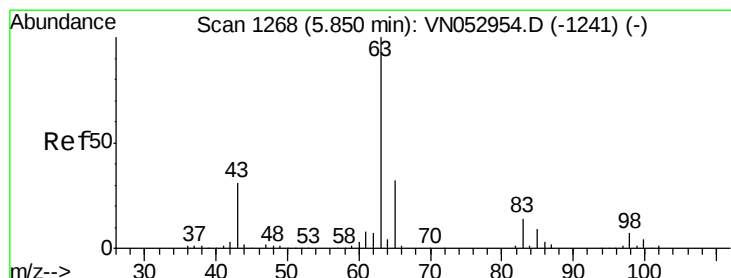
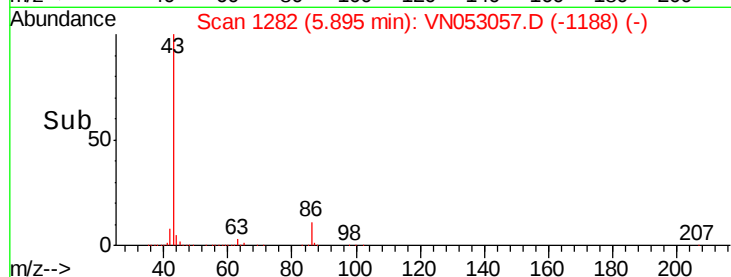
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.797 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

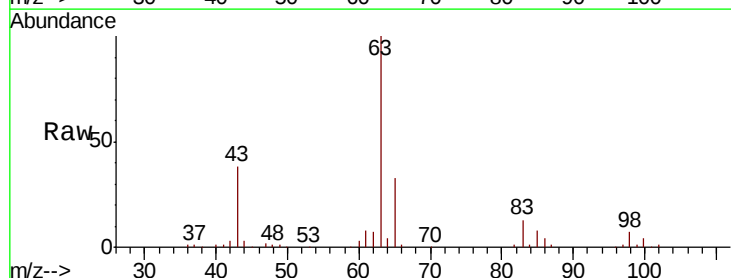
Tgt Ion: 63 Resp: 383334

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

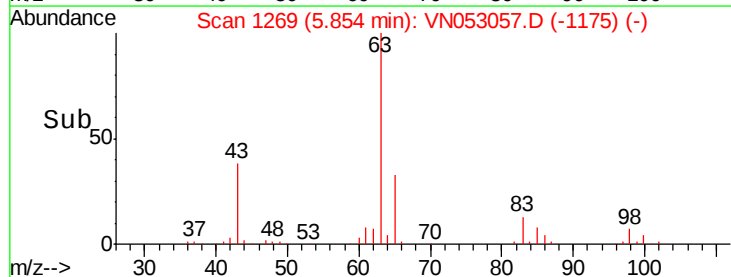
150000

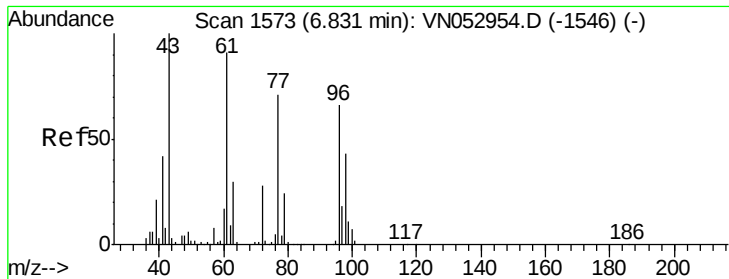
100000

50000

0

Time-->





#25

2-Butanone

Concen: 107.674 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBSD01

Tot Ion: 43 Resp: 371778

Ion Ratio Lower Upper

43 100

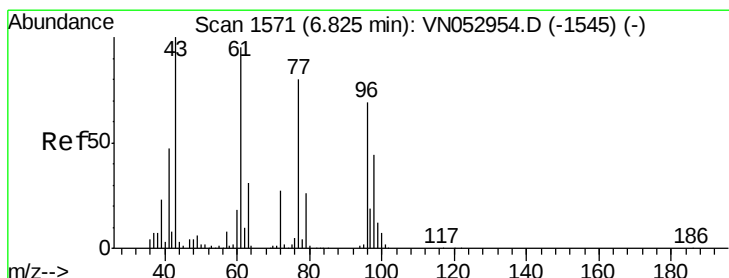
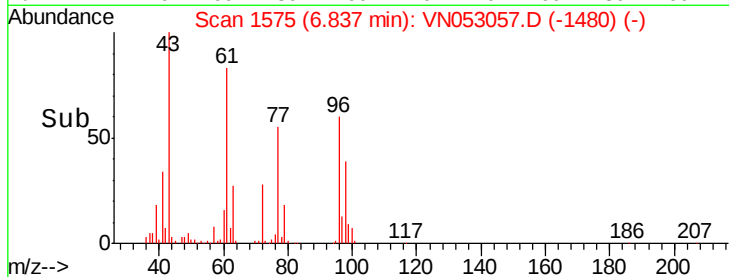
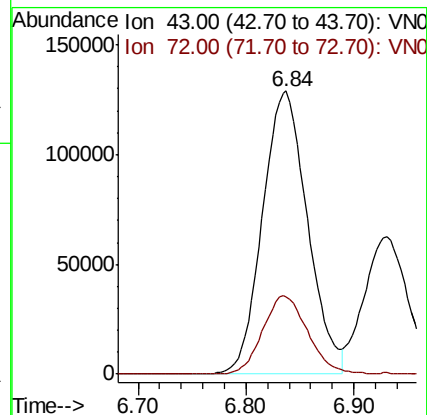
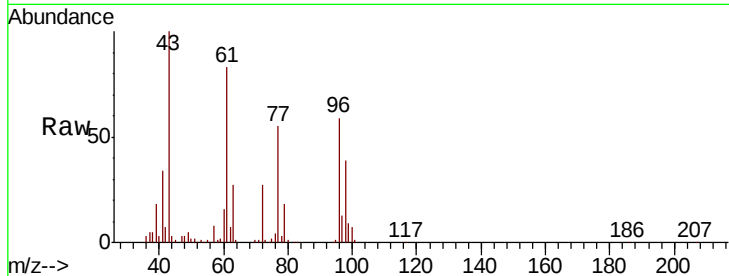
72 27.5 21.0 31.6

Manual Integrations

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12/21/2018 9:21:19 AM



#26

2,2-Dichloropropane

Concen: 17.638 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053057.D

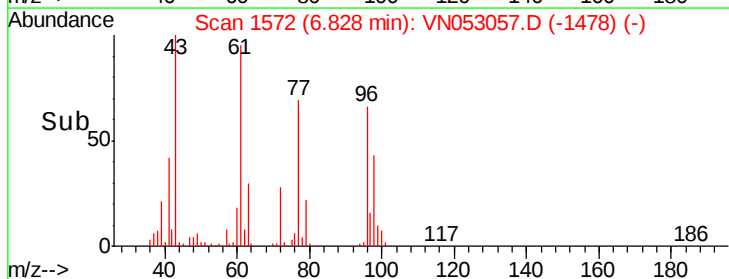
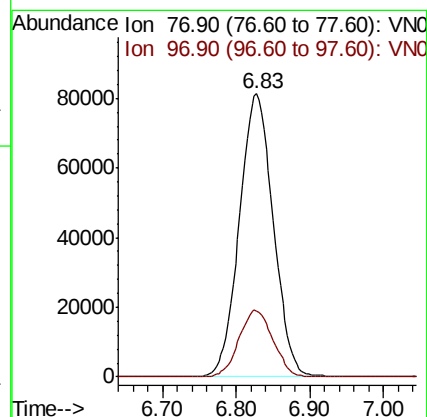
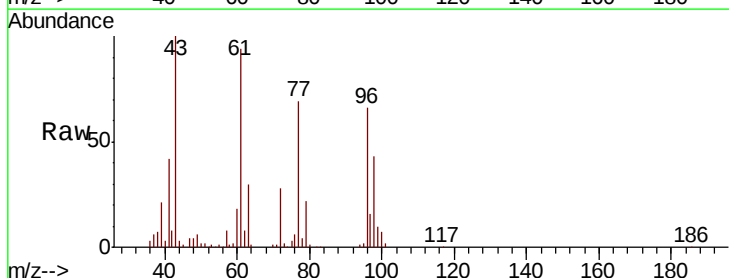
Acq: 20 Dec 2018 15:28

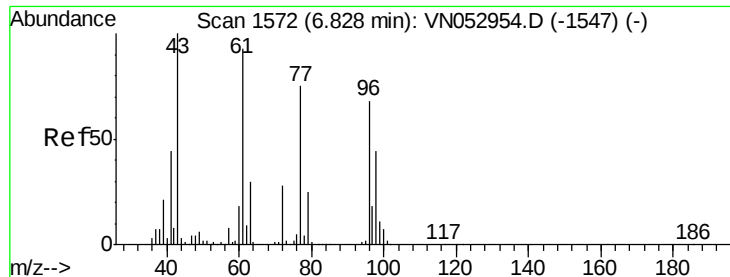
Tgt Ion: 77 Resp: 260705

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 19.605 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

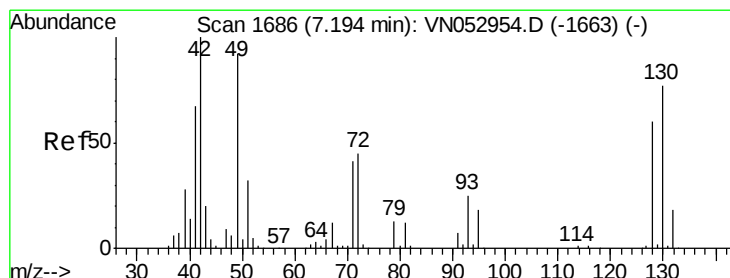
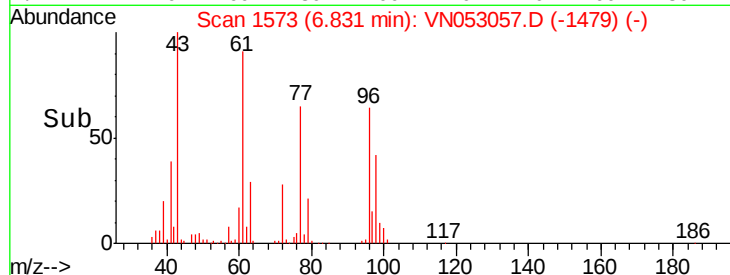
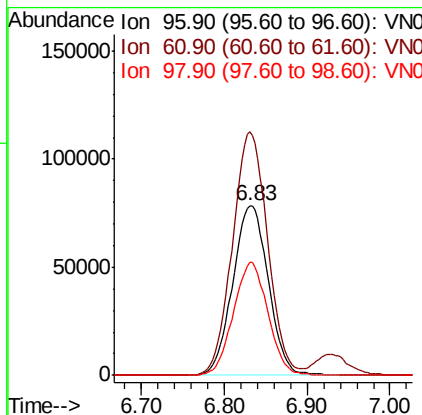
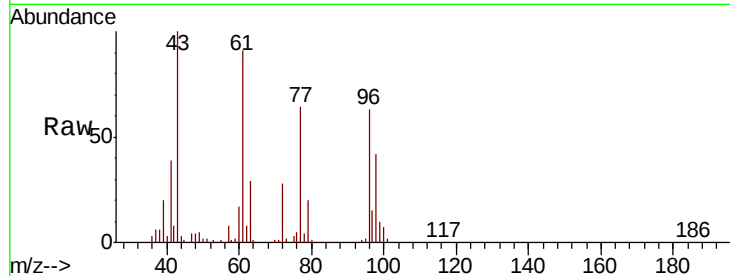
ClientSampleId :

VN1220WBSD01

Tot Ion:	96	Resp:	235015
Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	284.2
98	64.4	0.0	129.2

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#28

Bromochloromethane

Concen: 21.796 ug/l

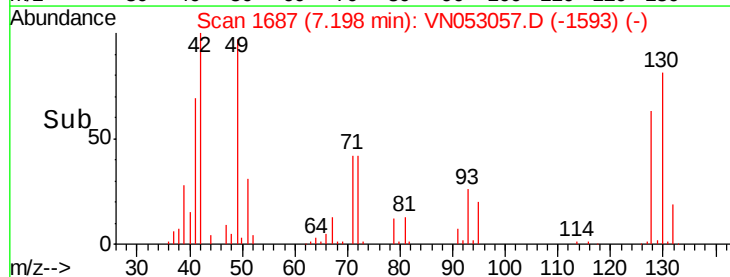
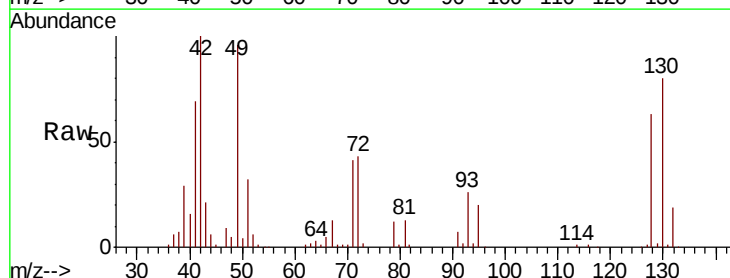
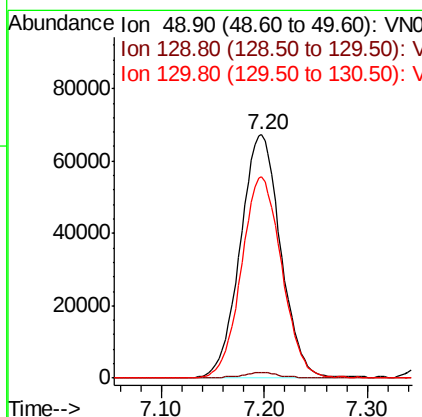
RT: 7.20 min Scan# 1687

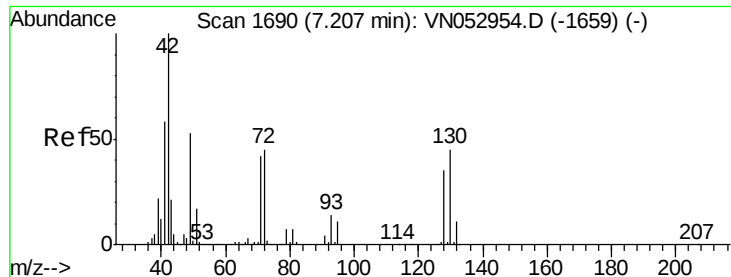
Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Tgt Ion:	49	Resp:	182878
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	82.6	63.3	94.9





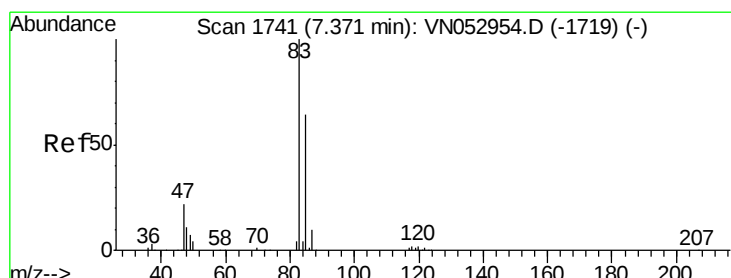
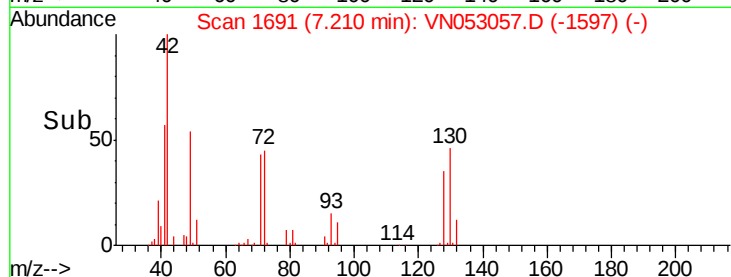
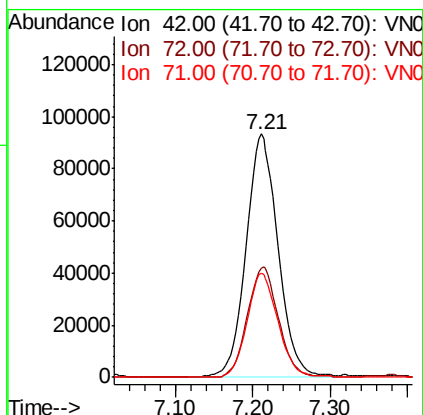
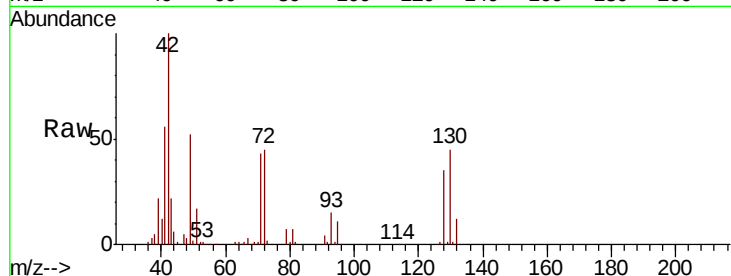
#29
Tetrahydrofuran
Concen: 103.791 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	34.7	52.1
71	41.4	32.3	48.5

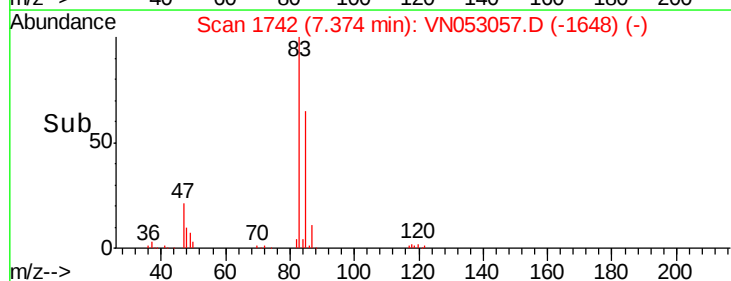
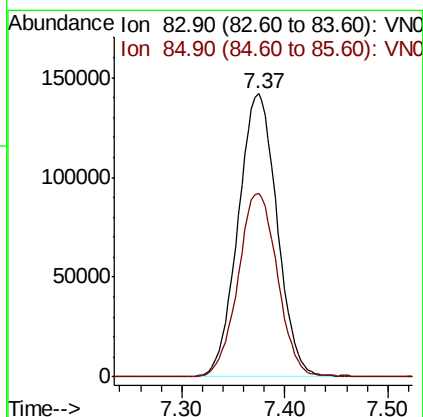
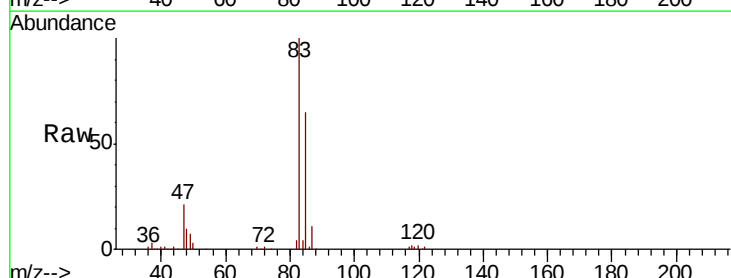
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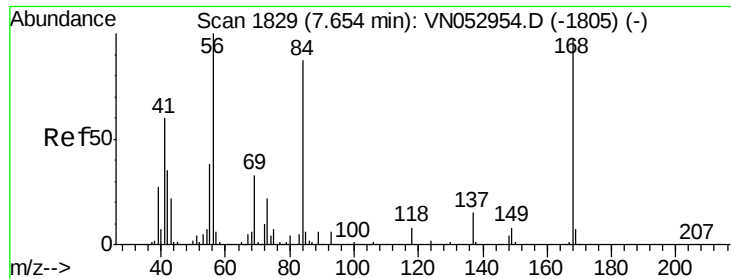
MMDadoda
12/21/2018 9:21:19 AM



#30
Chloroform
Concen: 19.596 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.1	78.1





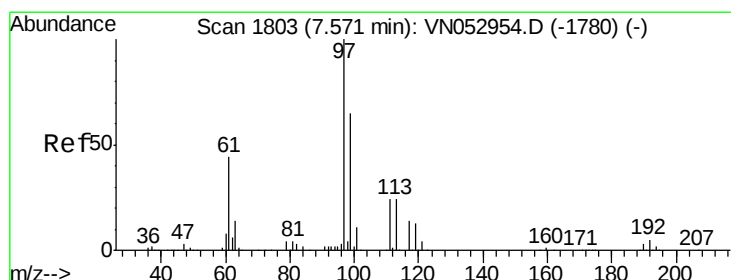
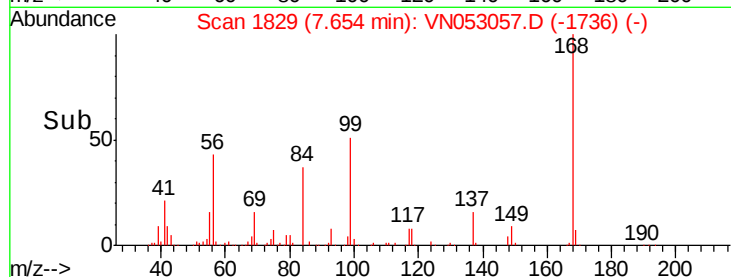
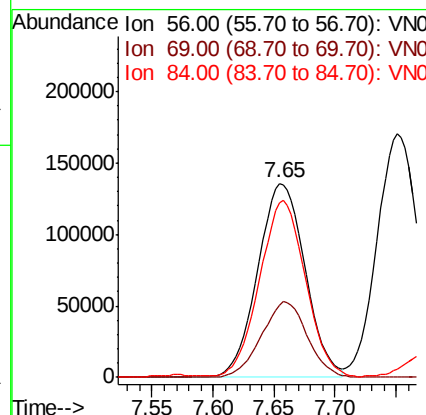
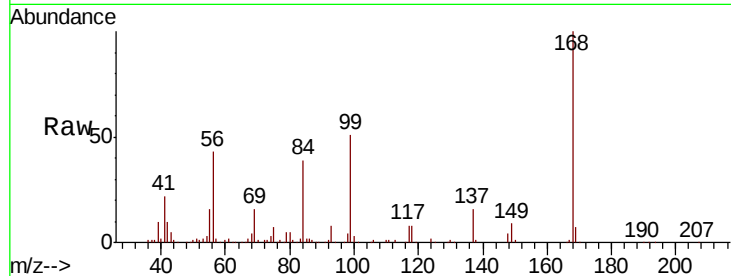
#31
Cyclohexane
Concen: 19.475 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.2	26.6	39.8
84	89.0	68.4	102.6

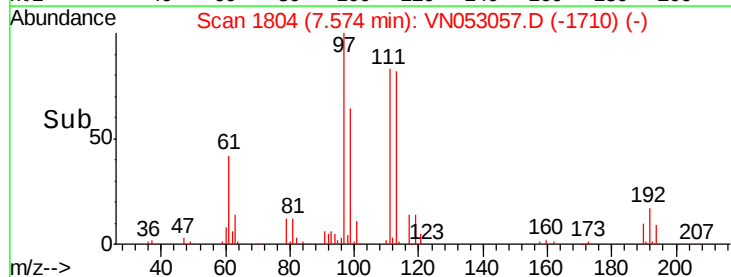
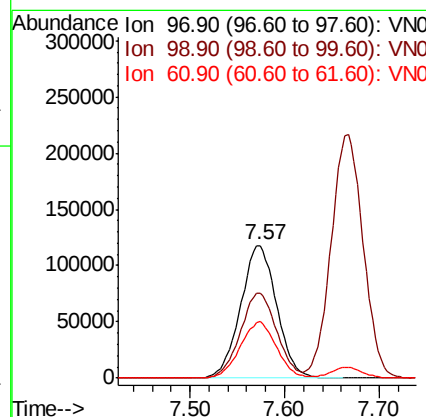
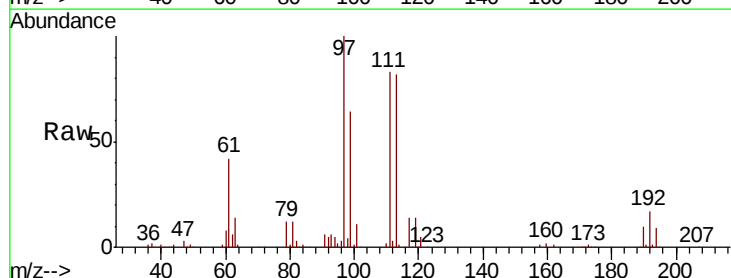
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#32
1,1,1-Trichloroethane
Concen: 19.253 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	42.9	35.0	52.6





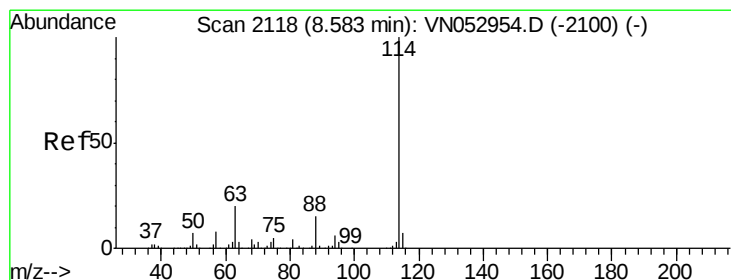
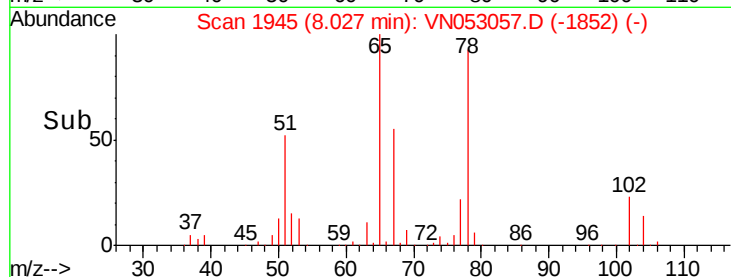
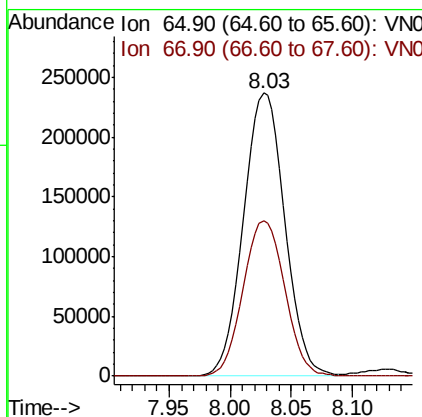
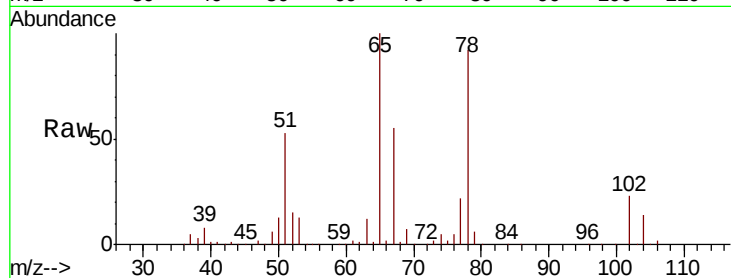
#33
 1,2-Dichloroethane-d4
 Concen: 19.253 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.2	0.0	110.4	

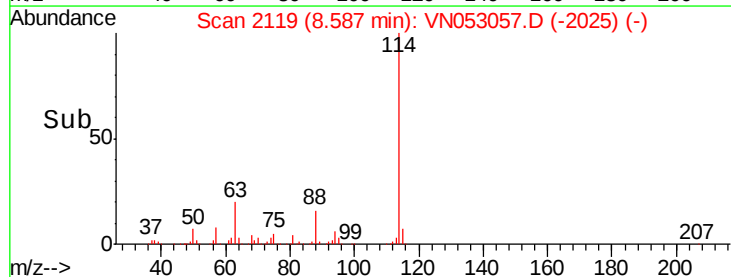
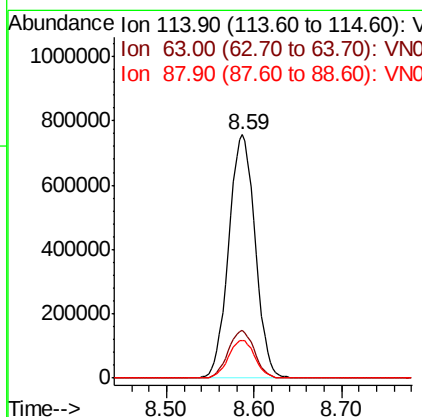
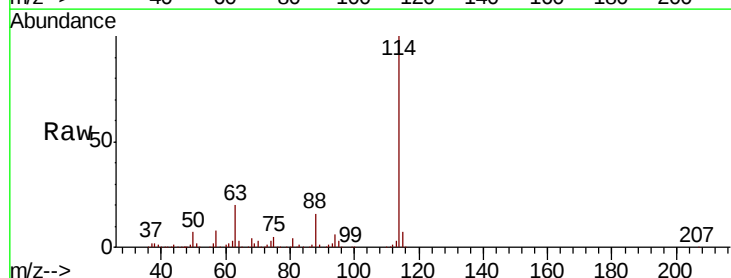
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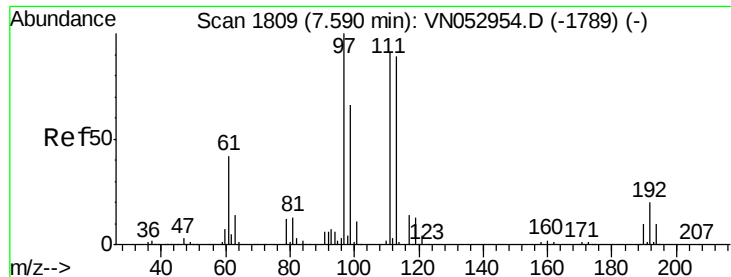
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 12/21/2018 9:21:19 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	39.8	
88	15.6	0.0	31.0	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

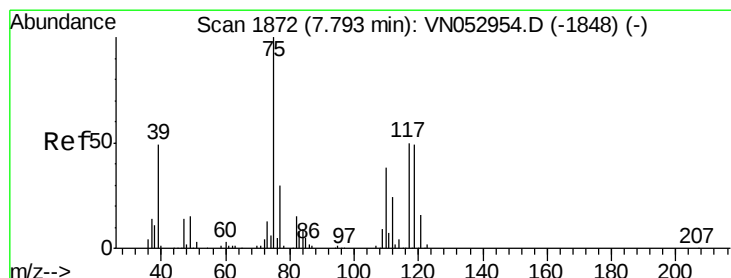
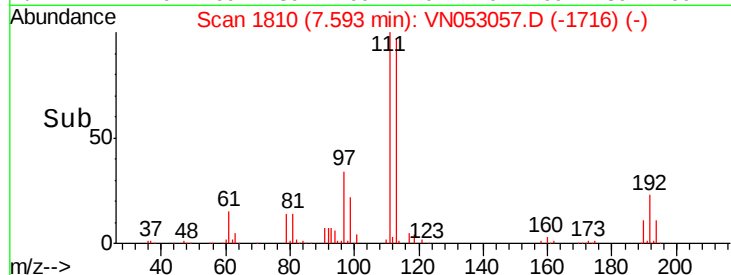
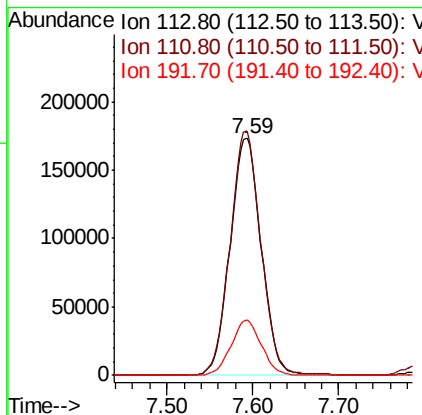
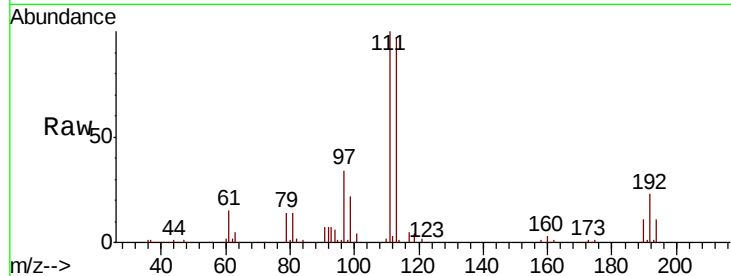
ClientSampleId :

VN1220WBSD01

Tot Ion:	113	Resp:	437075
Ion Ratio	Lower	Upper	
113	100		
111	101.3	83.0	124.4
192	22.6	17.5	26.3

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.669 ug/l

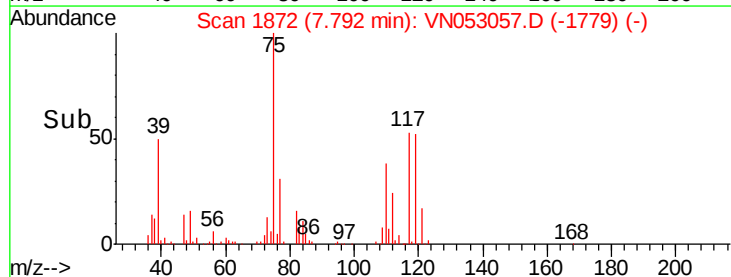
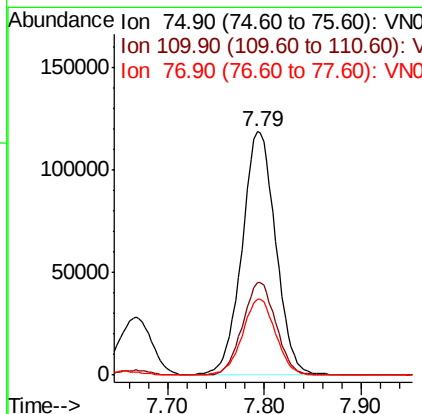
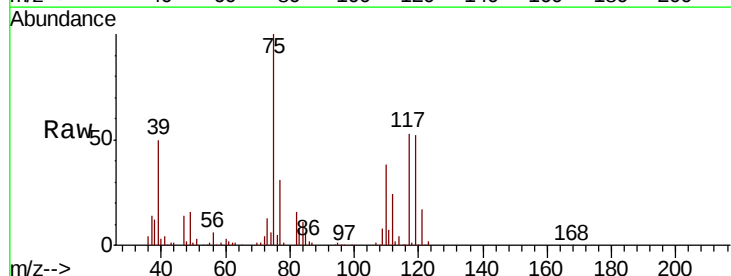
RT: 7.79 min Scan# 1872

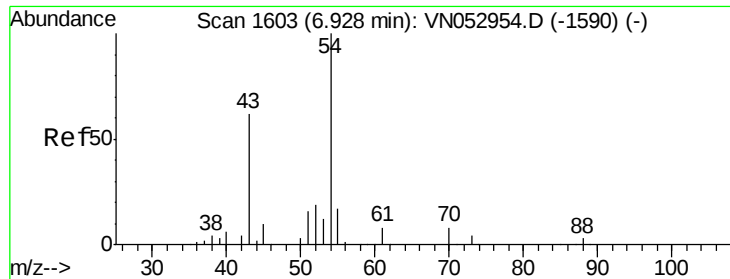
Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Tgt Ion:	75	Resp:	284958
Ion Ratio	Lower	Upper	
75	100		
110	38.0	18.2	54.6
77	31.1	24.9	37.3





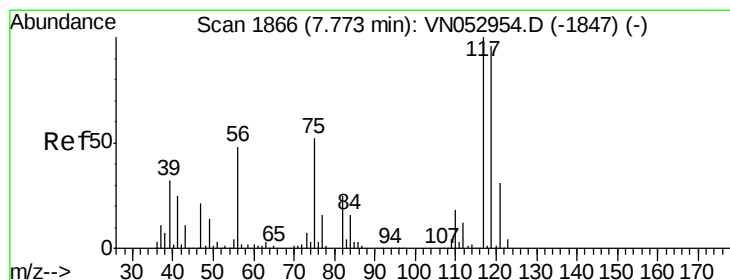
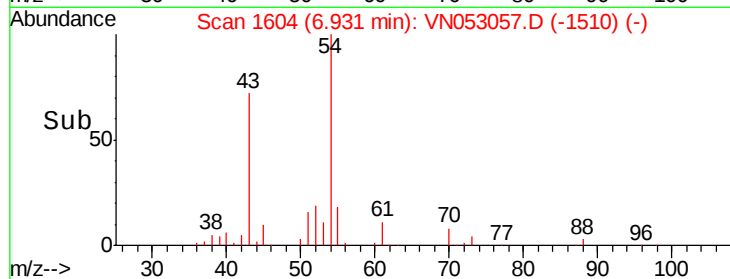
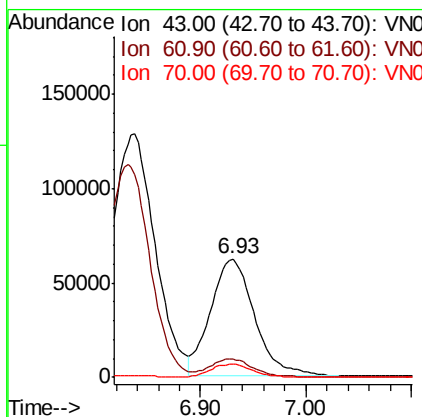
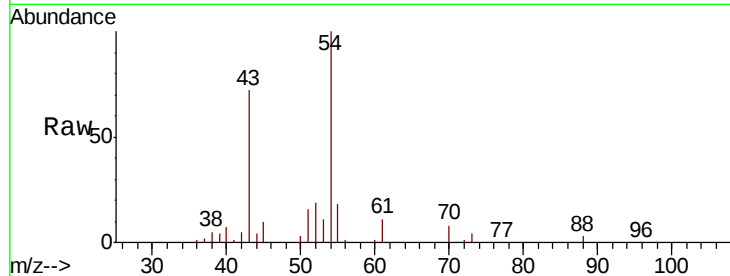
#37
Ethyl Acetate
Concen: 21.089 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.8	17.6
70	10.9	8.4	12.6

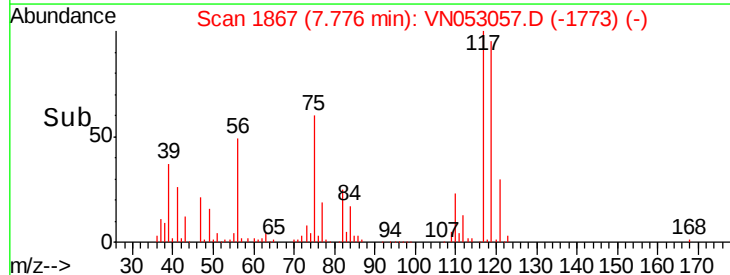
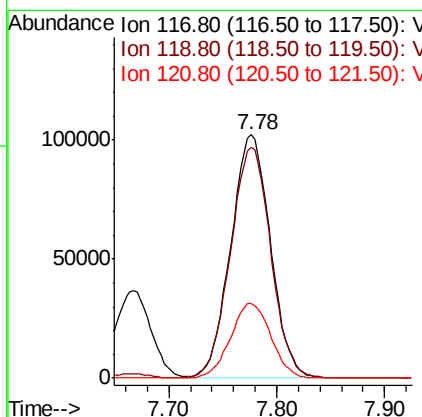
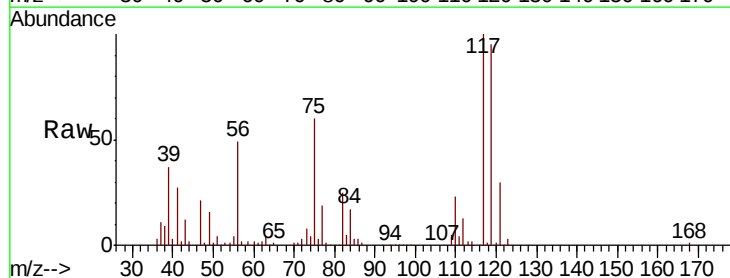
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#38
Carbon Tetrachloride
Concen: 18.623 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.1	115.7
121	30.5	24.9	37.3





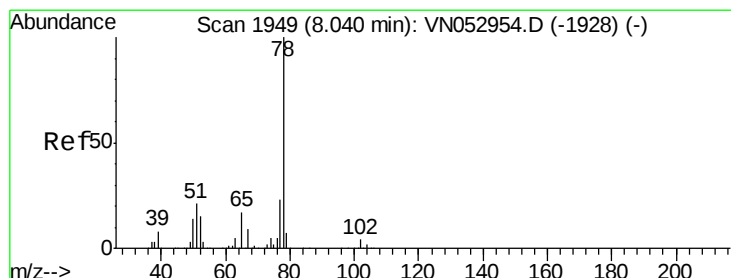
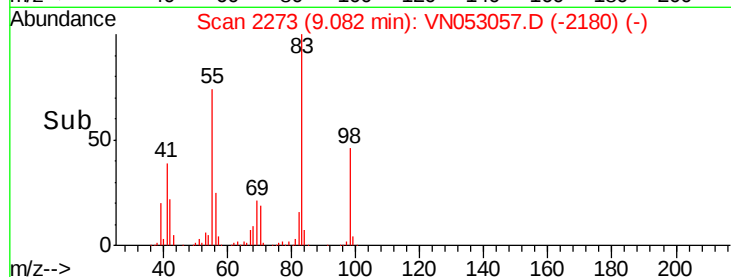
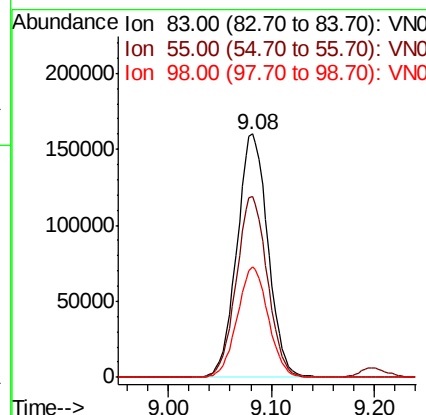
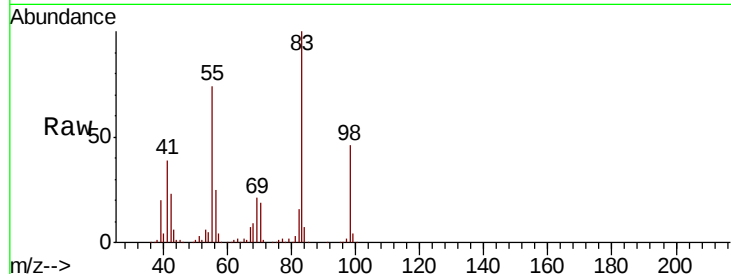
#39
Methvlcvclohexane
Concen: 18.072 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.3	61.3	91.9
98	45.6	37.0	55.4

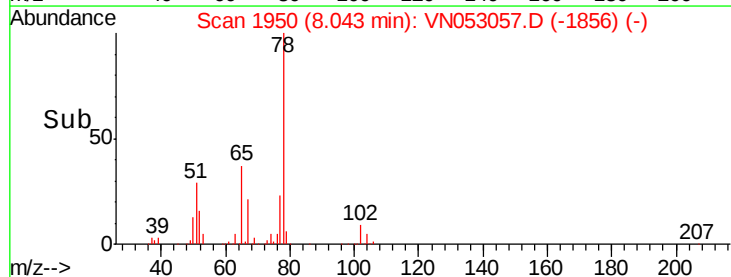
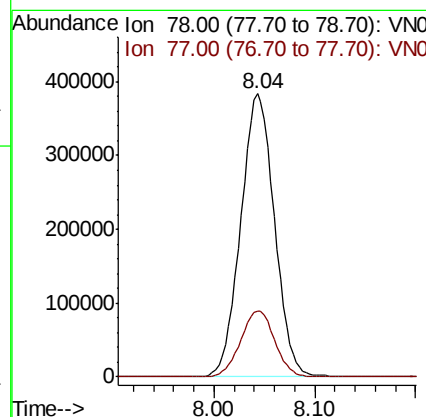
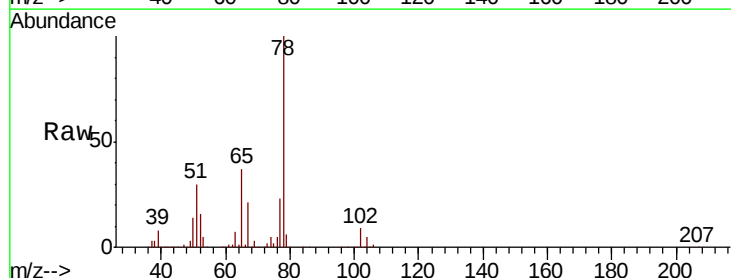
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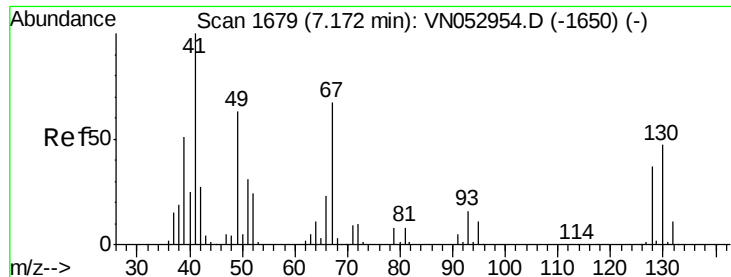
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#40
Benzene
Concen: 19.588 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.5	27.7





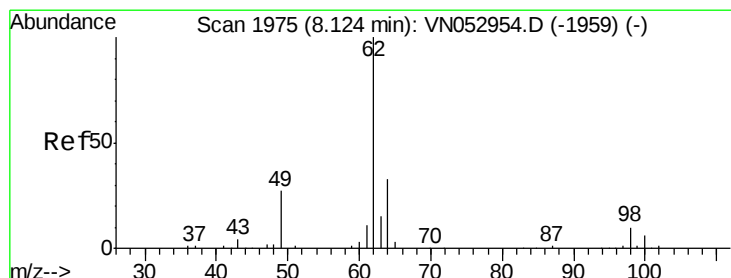
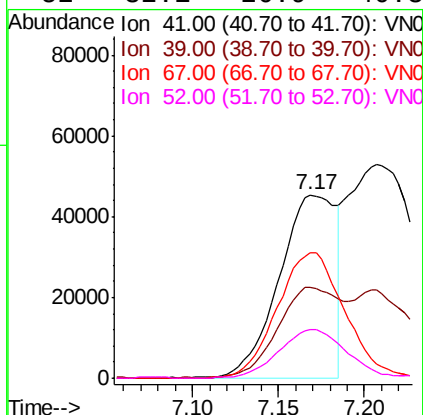
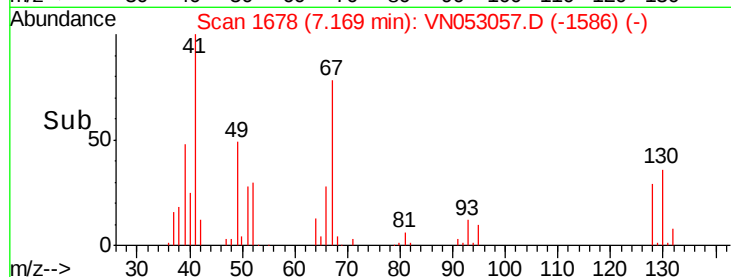
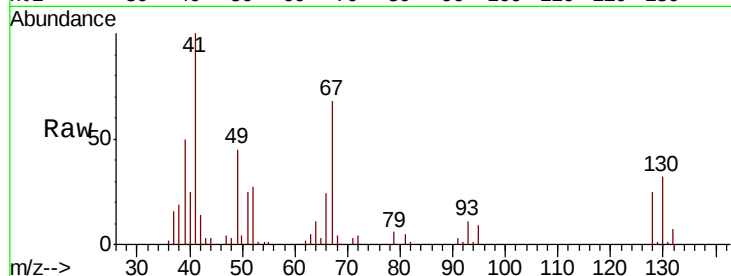
#41
Methacrylonitrile
Concen: 21.267 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD01

Tot Ion	41	Resp	104704
Ion Ratio	Lower	Upper	
41	100		
39	56.6	48.0	72.0
67	81.6	70.3	105.5
52	32.1	26.9	40.3

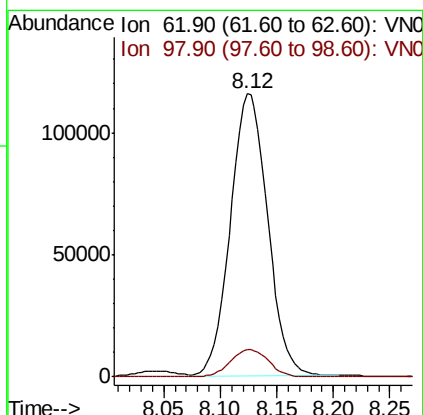
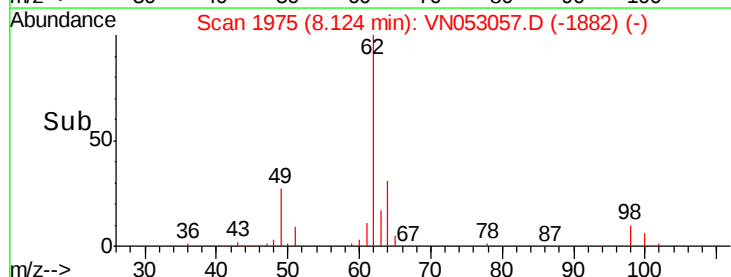
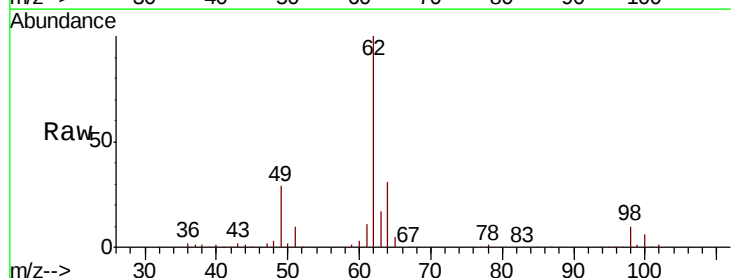
Manual Integrations
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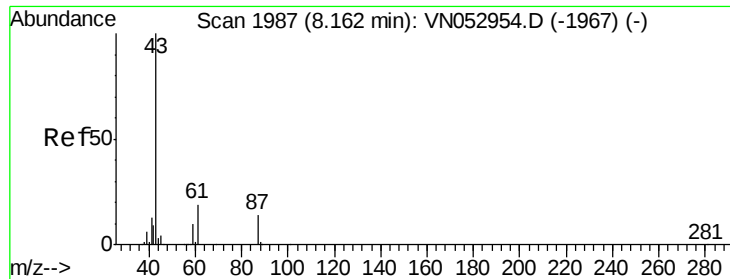
MMDadoda
12/21/2018 9:21:19 AM



#42
1,2-Dichloroethane
Concen: 19.774 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion	62	Resp	265205
Ion Ratio	Lower	Upper	
62	100		
98	9.9	0.0	19.0





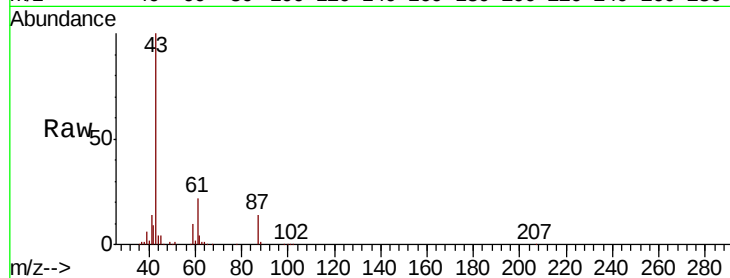
#43
Isopropyl Acetate
Concen: 19.271 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD01

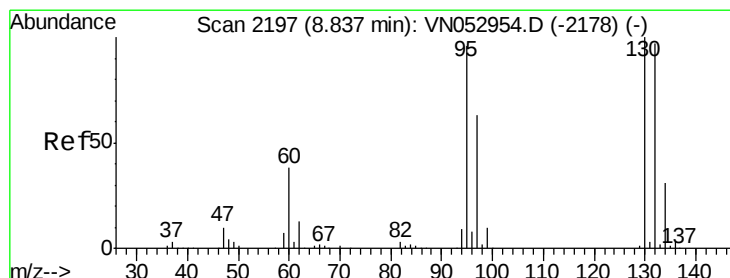
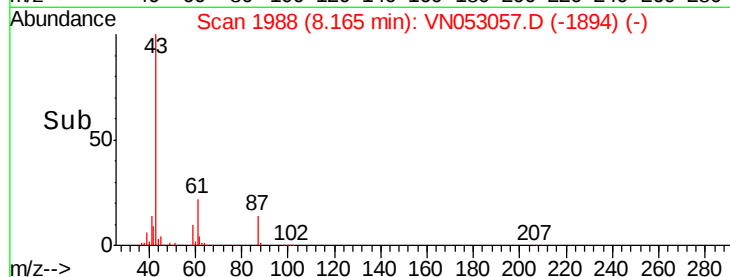
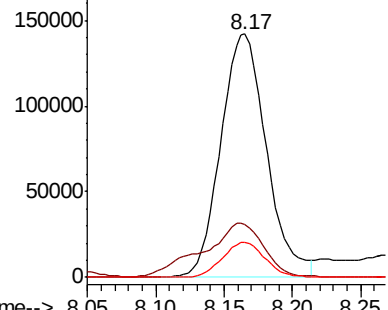
Tot Ion	Ratio	Lower	Upper
43	100		
61	29.5	22.9	34.3
87	13.5	10.6	15.8

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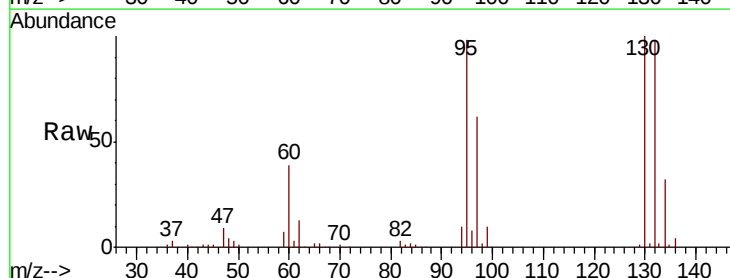


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)
Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)
Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)

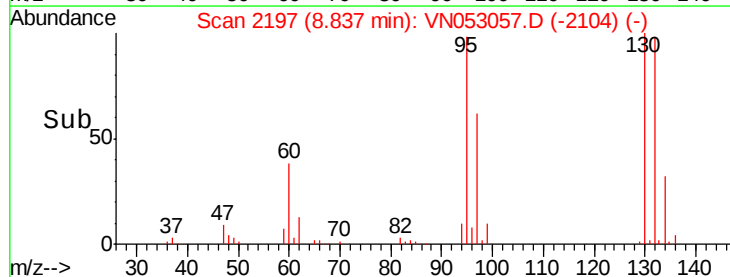
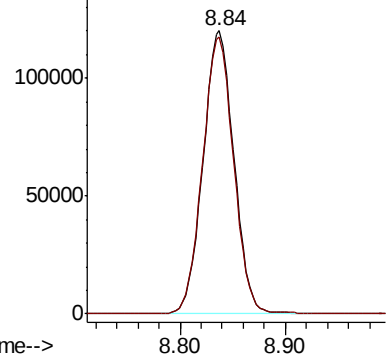


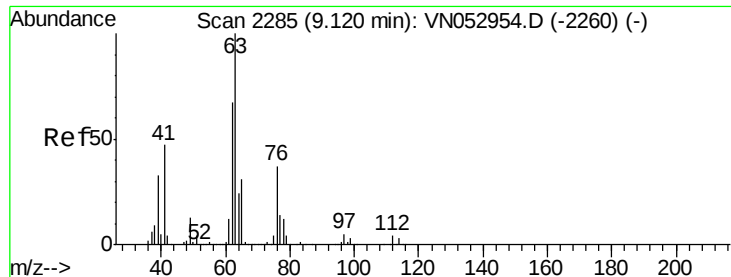
#44
Trichloroethene
Concen: 18.507 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)
Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)





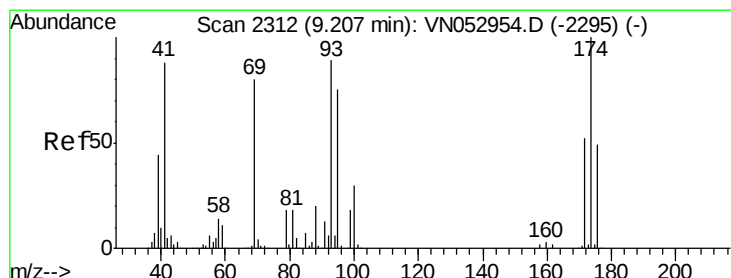
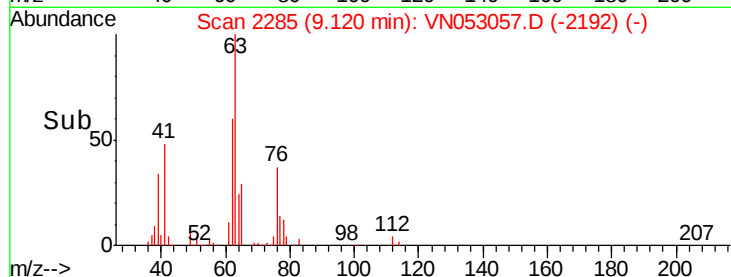
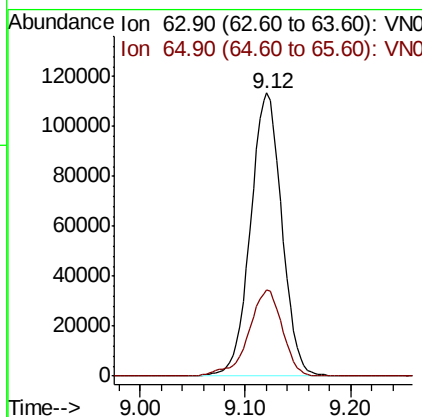
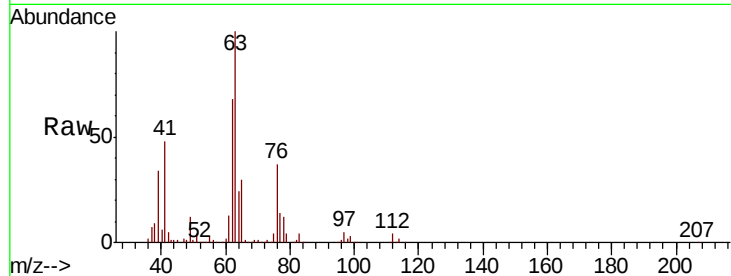
#45
 1,2-Dichloropropane
 Concen: 19.879 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD01

Tot Ion: 63 Resp: 235084
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.6 37.0

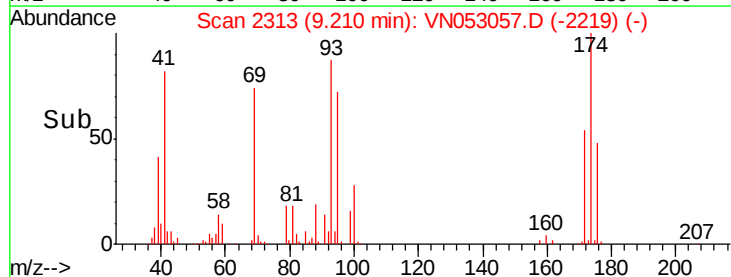
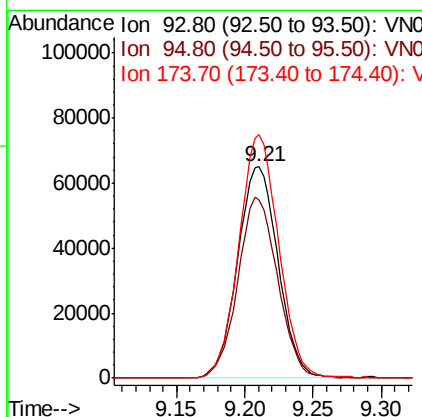
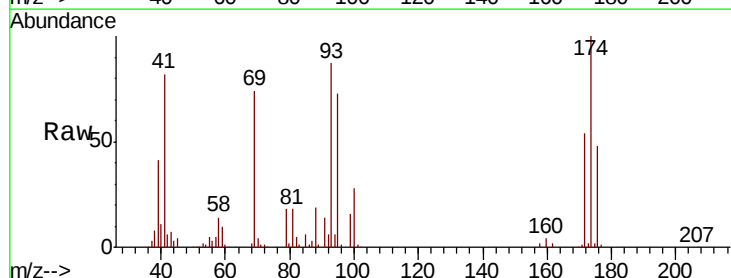
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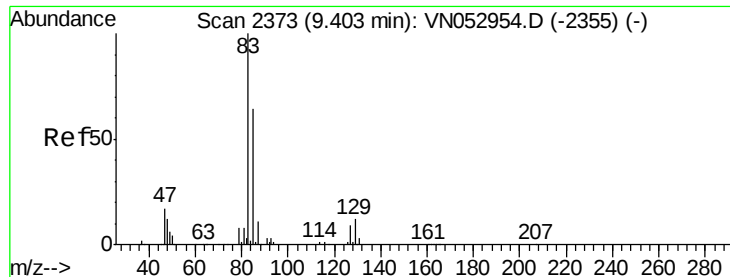
MMDadoda
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#46
 Dibromomethane
 Concen: 19.446 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Tgt Ion: 93 Resp: 133958
 Ion Ratio Lower Upper
 93 100
 95 84.2 67.8 101.6
 174 113.5 89.0 133.4





#47

Bromodichloromethane

Concen: 18.876 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

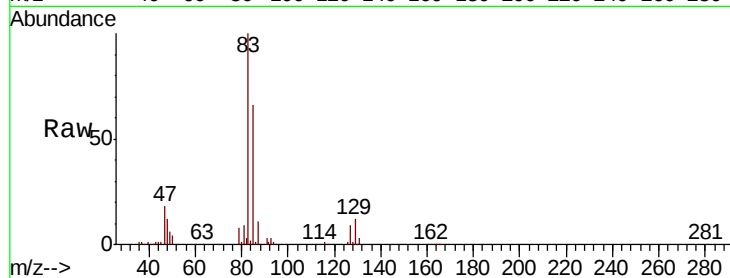
ClientSampleId :

VN1220WBSD01

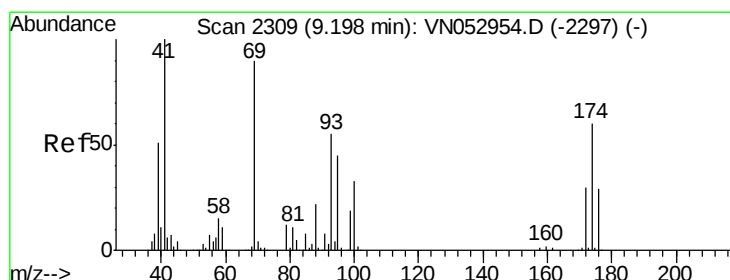
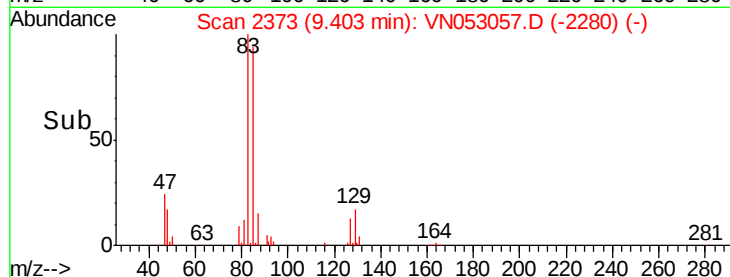
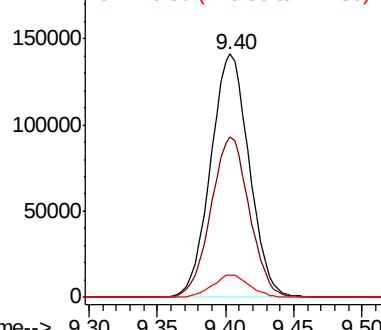
Tot Ion:	83	Resp:	276410
Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.6	77.4
127	9.4	7.1	10.7

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Abundance Ion 82.90 (82.60 to 83.60): VN053057.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.849 ug/l

RT: 9.20 min Scan# 2310

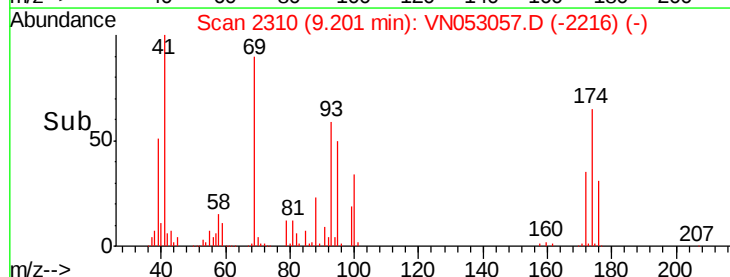
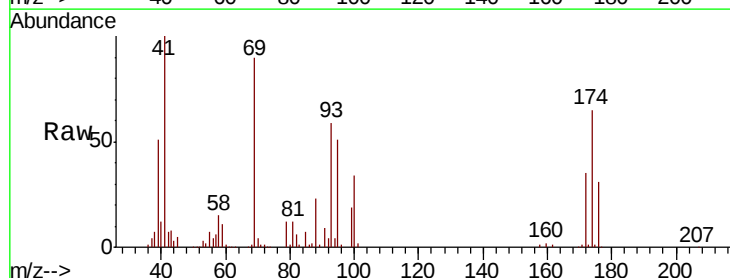
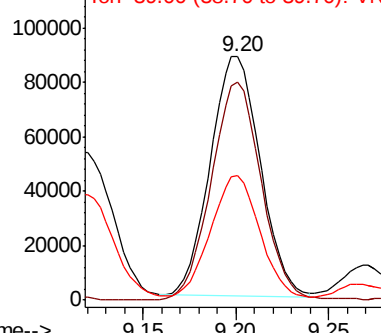
Delta R.T. 0.00 min

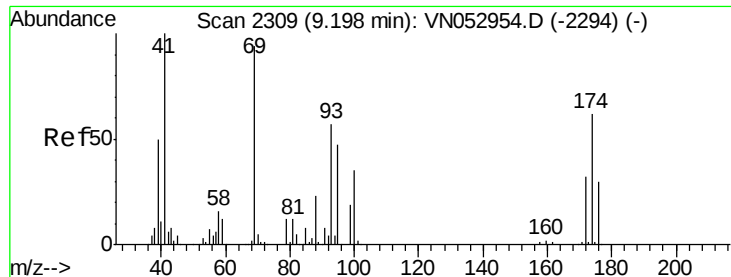
Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Tgt Ion:	41	Resp:	164116
Ion	Ratio	Lower	Upper
41	100		
69	91.8	72.2	108.2
39	52.1	41.9	62.9

Abundance Ion 41.00 (40.70 to 41.70): VN053057.D (-2216) (-)





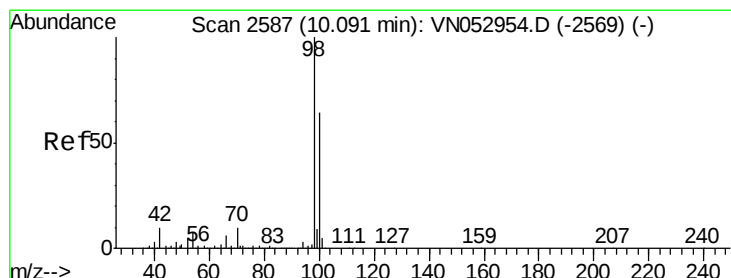
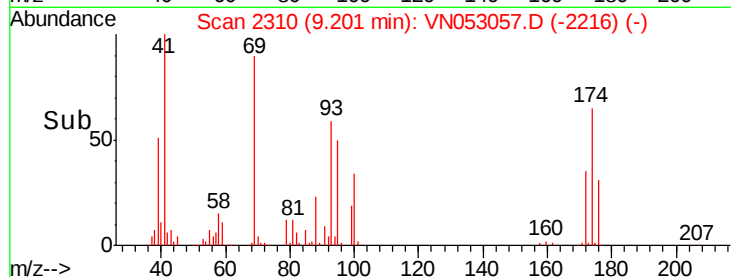
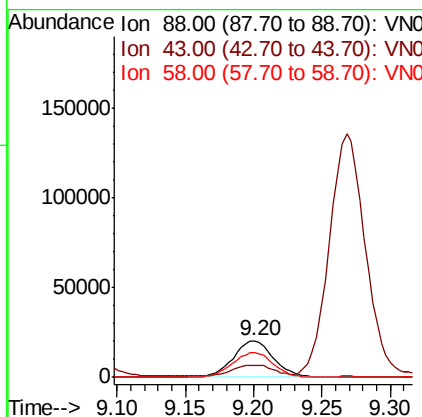
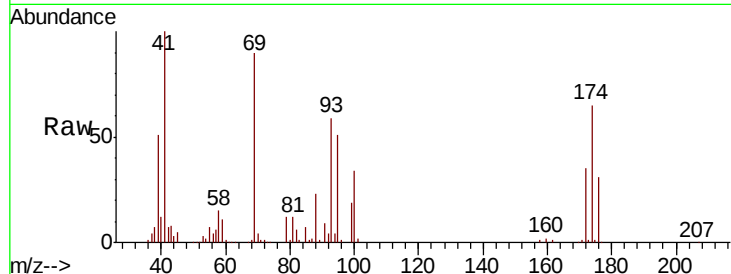
#49
1,4-Dioxane
Concen: 396.940 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD01

Tot Ion	88	Resp	41516
Ion	Ratio	Lower	Upper
88	100		
43	30.9	26.6	40.0
58	69.6	58.4	87.6

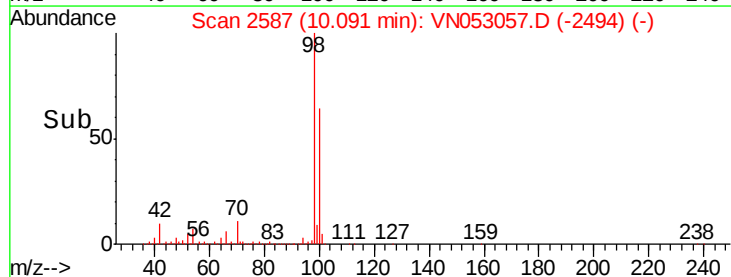
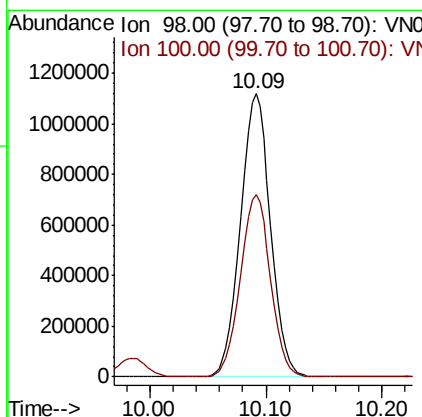
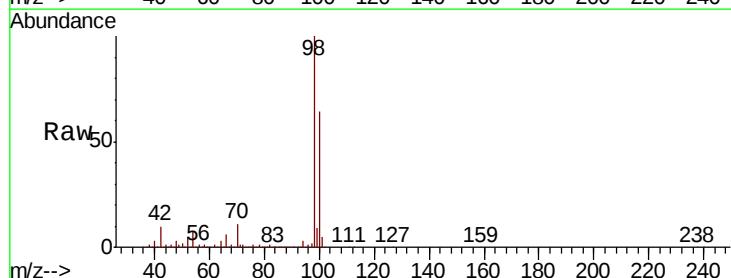
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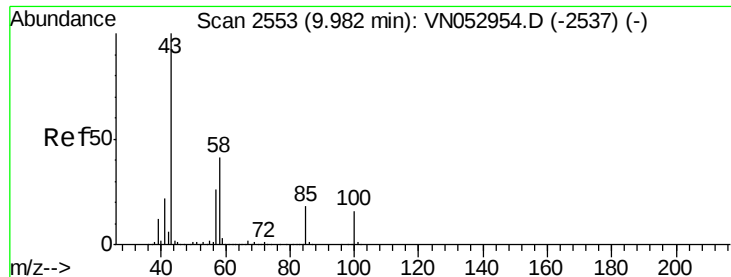
MMDadoda
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#50
Toluene-d8
Concen: 396.940 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion	98	Resp	2006579
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.6	77.4





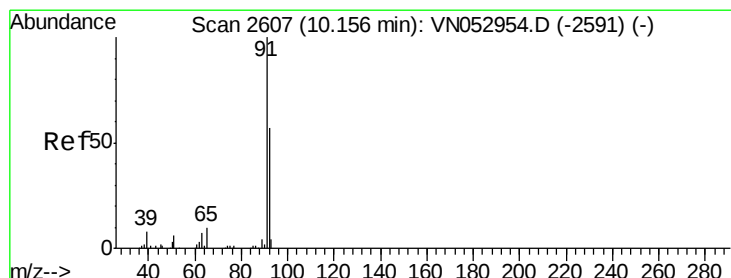
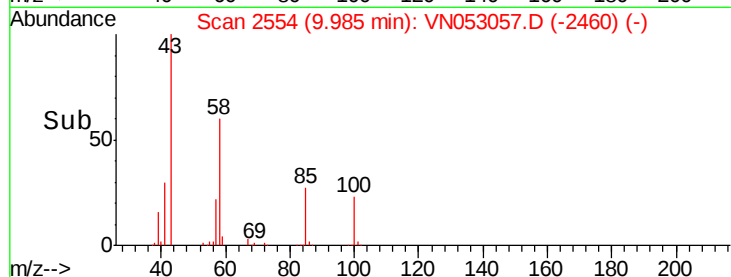
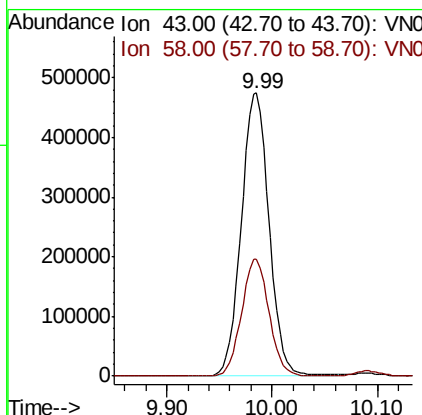
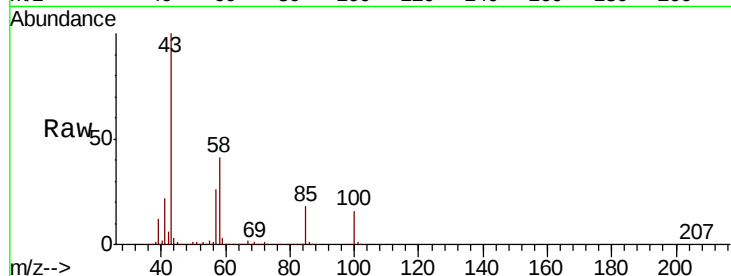
#51
4-Methyl-2-Pentanone
Concen: 104.712 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD01

Tot Ion: 43 Resp: 864051
Ion Ratio Lower Upper
43 100
58 41.1 32.2 48.4

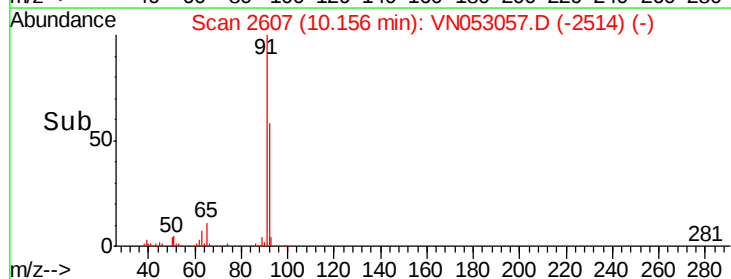
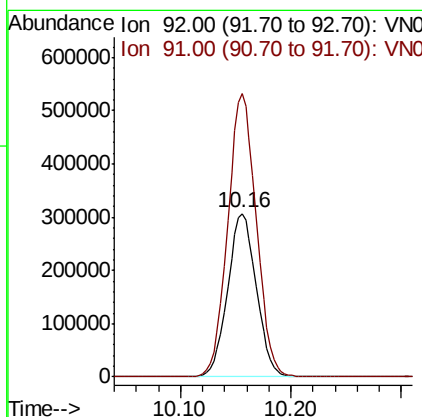
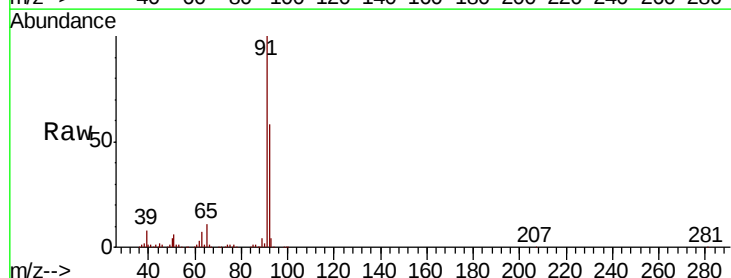
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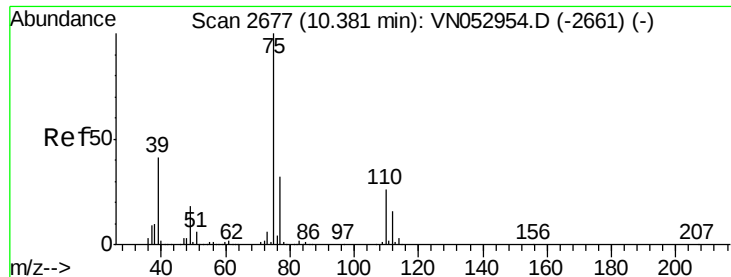
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#52
Toluene
Concen: 19.563 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion: 92 Resp: 550499
Ion Ratio Lower Upper
92 100
91 172.8 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 18.150 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBSD01

Tot Ion: 75 Resp: 279485

Ion Ratio Lower Upper

75 100

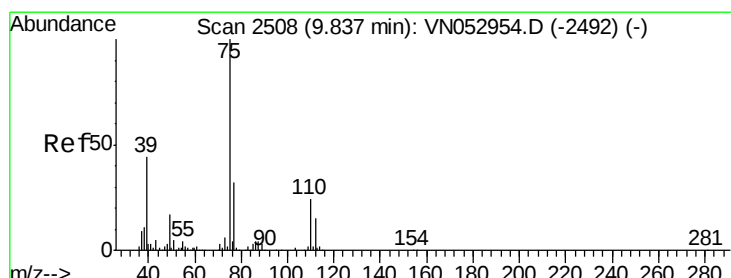
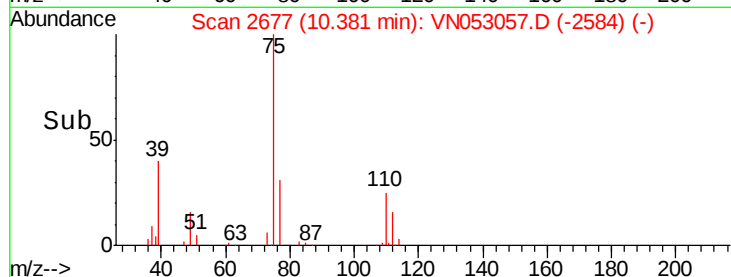
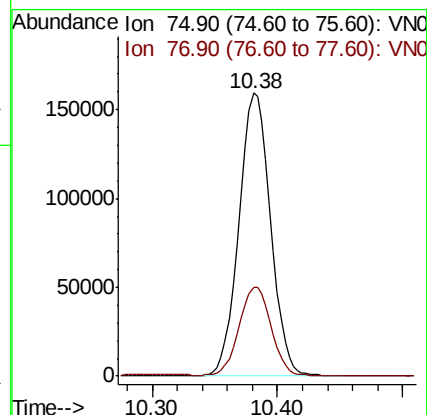
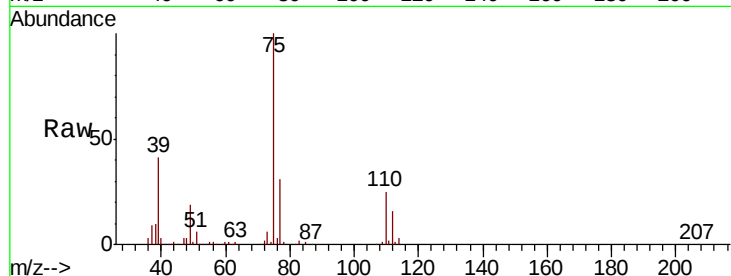
77 31.1 25.6 38.4

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#54

cis-1,3-Dichloropropene

Concen: 18.867 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

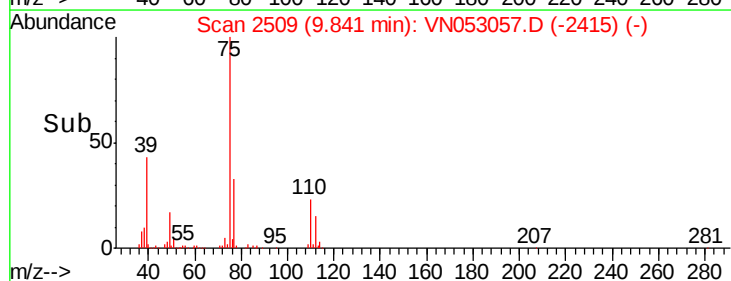
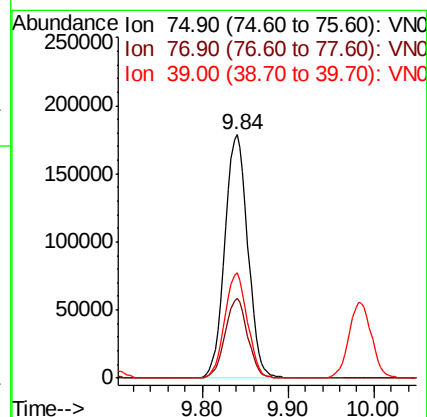
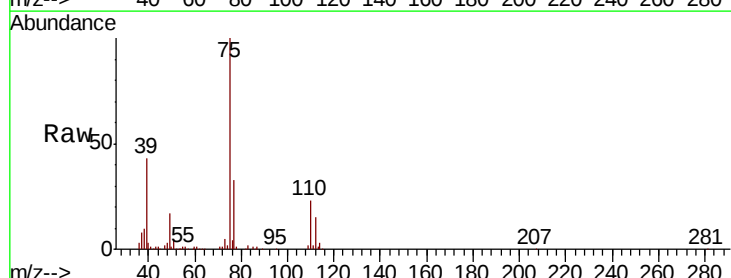
Tgt Ion: 75 Resp: 333462

Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8

39 43.0 34.8 52.2





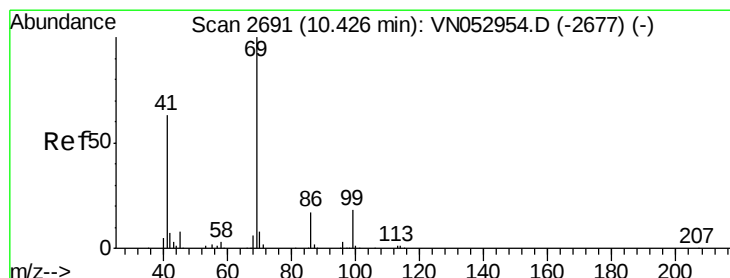
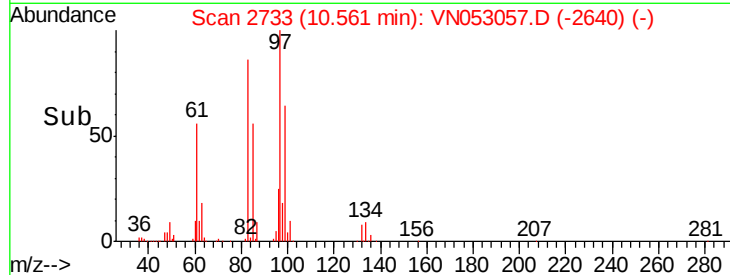
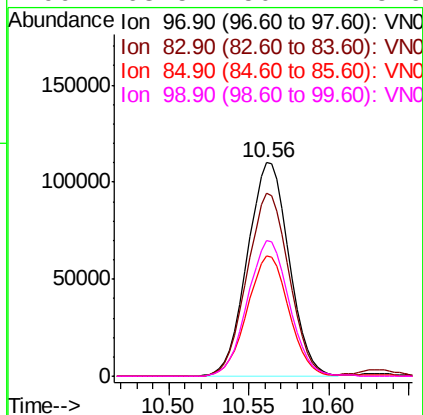
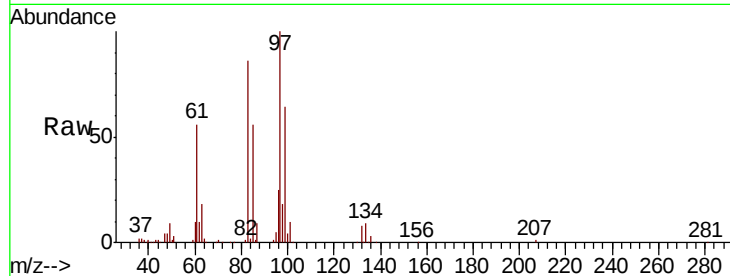
#55
 1,1,2-Trichloroethane
 Concen: 20.078 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD01

Tot Ion:	97	Resp:	197116
Ion	Ratio	Lower	Upper
97	100		
83	85.7	70.9	106.3
85	56.3	45.4	68.2
99	63.5	50.4	75.6

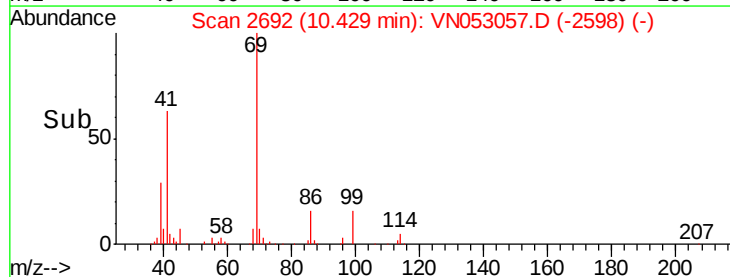
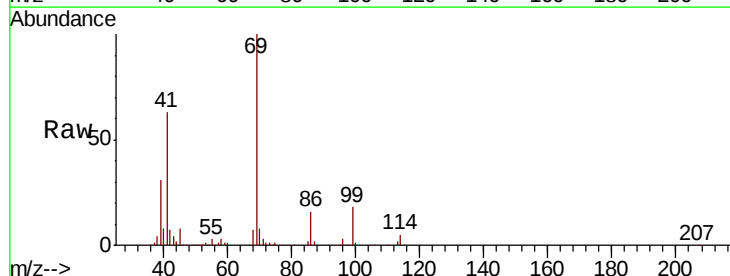
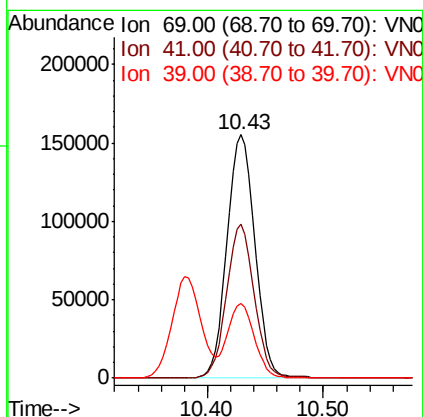
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#56
 Ethyl methacrylate
 Concen: 19.877 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Tgt Ion:	69	Resp:	258280
Ion	Ratio	Lower	Upper
69	100		
41	61.9	51.7	77.5
39	29.4	24.6	37.0





#57

1,3-Dichloropropane

Concen: 19.902 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBSD01

Tot Ion: 76 Resp: 335056

Ion Ratio Lower Upper

76 100

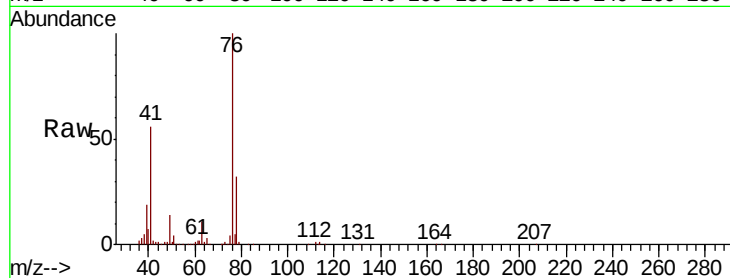
78 32.0 25.8 38.8

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Abundance Ion 75.90 (75.60 to 76.60): VN052954.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN052954.D (-2762) (-)

10.71

200000

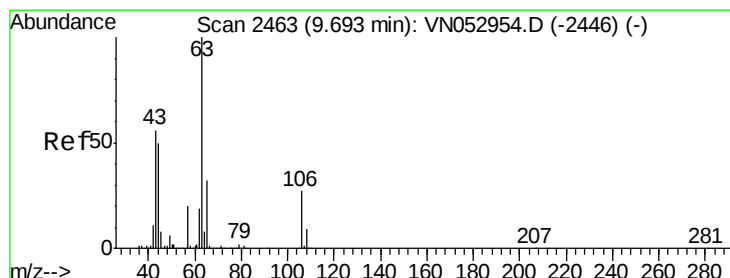
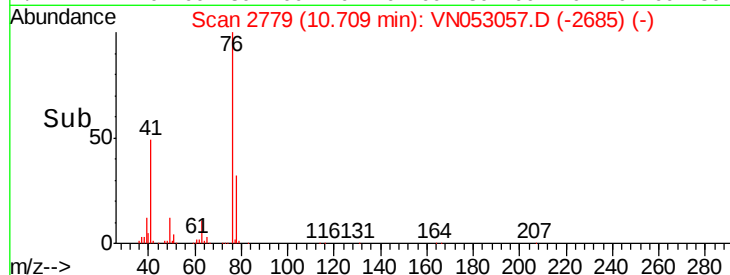
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 104.383 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053057.D

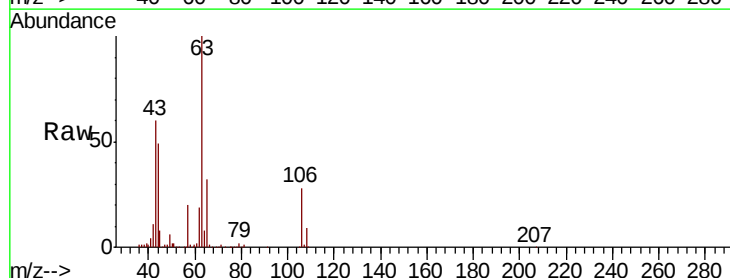
Acq: 20 Dec 2018 15:28

Tgt Ion: 63 Resp: 744641

Ion Ratio Lower Upper

63 100

106 27.2 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN052954.D (-2446) (-)

Ion 105.90 (105.60 to 106.60): VN052954.D (-2446) (-)

9.70

500000

400000

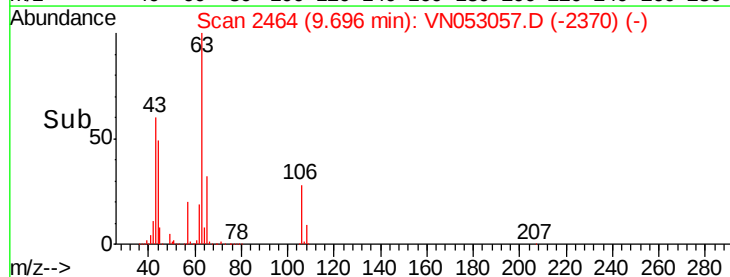
300000

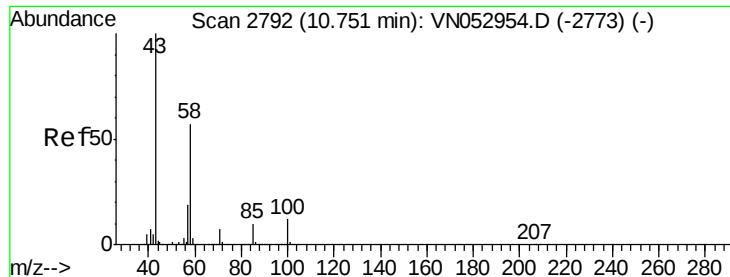
200000

100000

0

Time-->





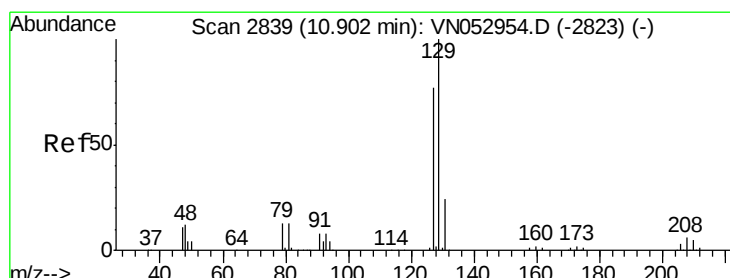
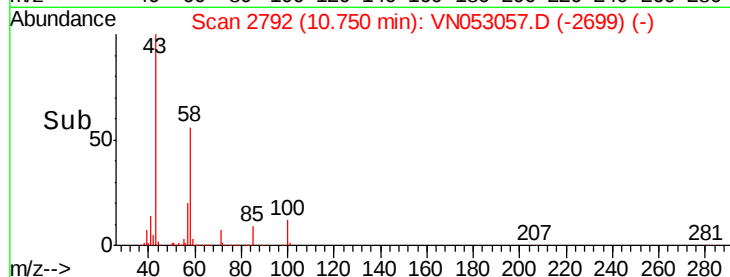
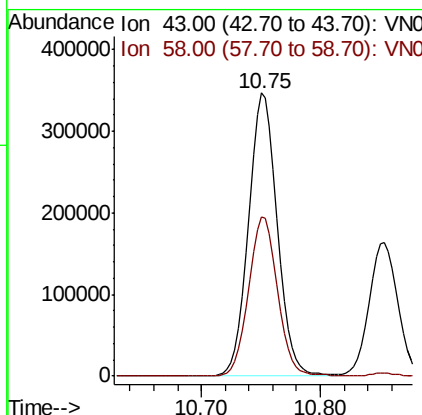
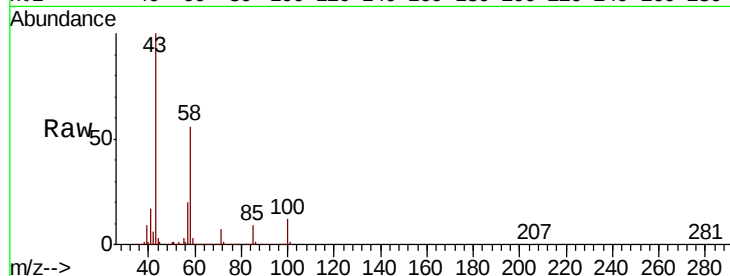
#59
2-Hexanone
Concen: 103.579 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.7	28.1	84.3

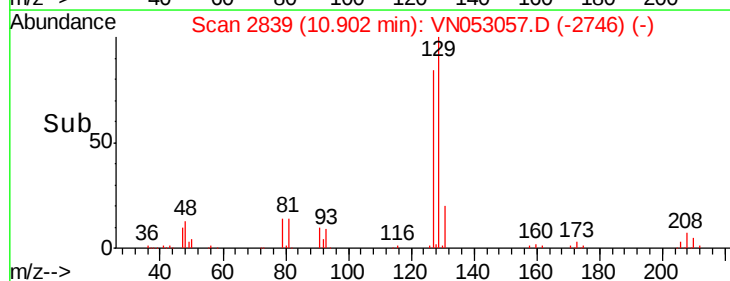
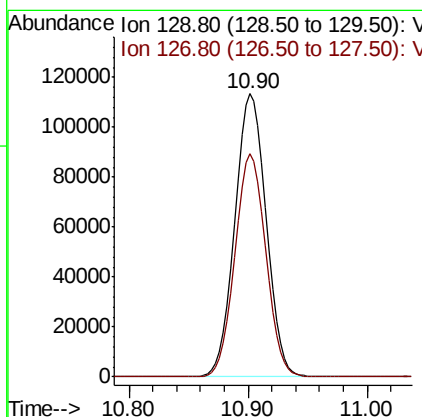
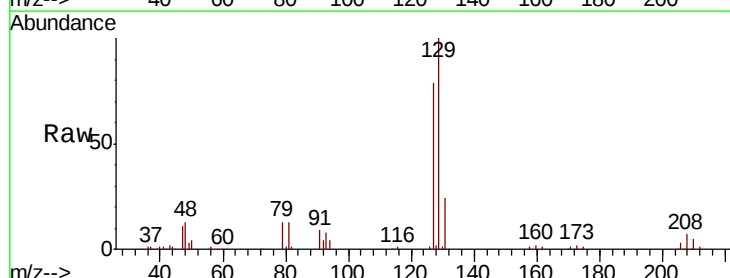
Manual Integrations
APPROVED

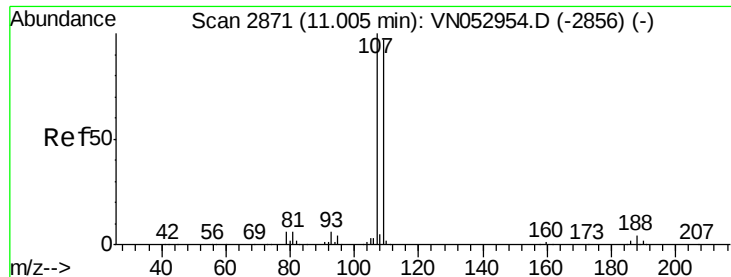
MMDadoda
12/21/2018 9:21:19 AM



#60
Dibromochloromethane
Concen: 18.451 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.6	116.0





#61

1,2-Dibromoethane

Concen: 19.406 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBSD01

Tot Ion: 107 Resp: 193493

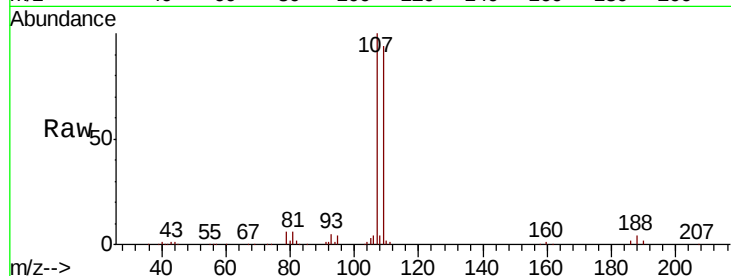
Ion Ratio Lower Upper

107 100

109 94.4 75.4 113.0

Manual Integrations
APPROVED

MMDadoda
12/21/2018 9:21:19 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

120000

100000

80000

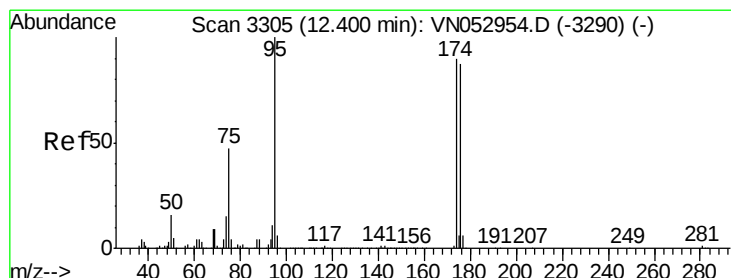
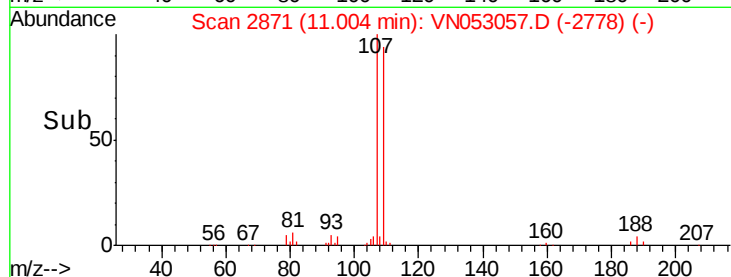
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 19.406 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

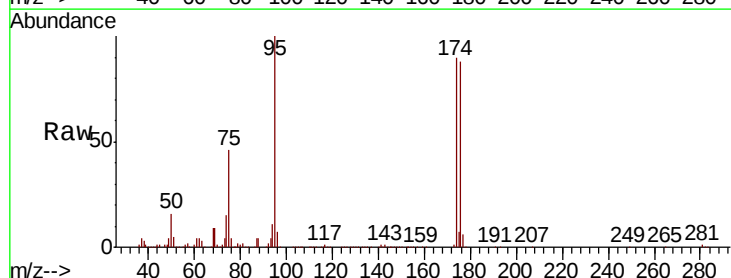
Tgt Ion: 95 Resp: 686818

Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.8

176 87.8 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

500000

400000

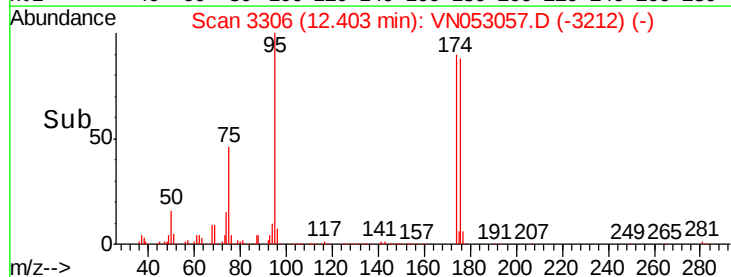
300000

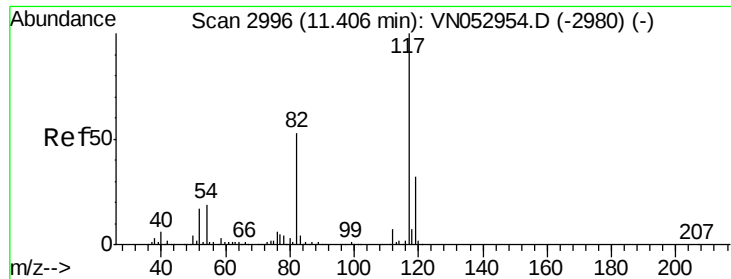
200000

100000

0

Time--> 12.30 12.40 12.50





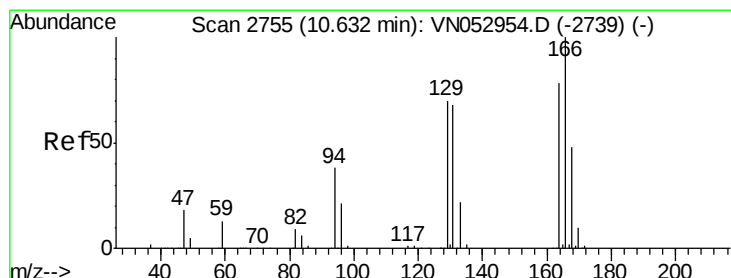
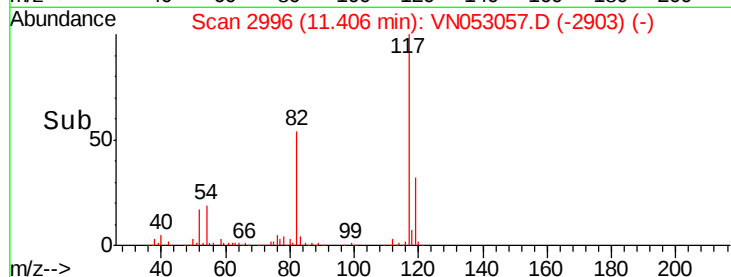
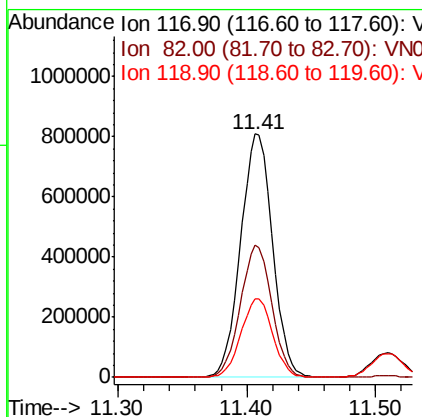
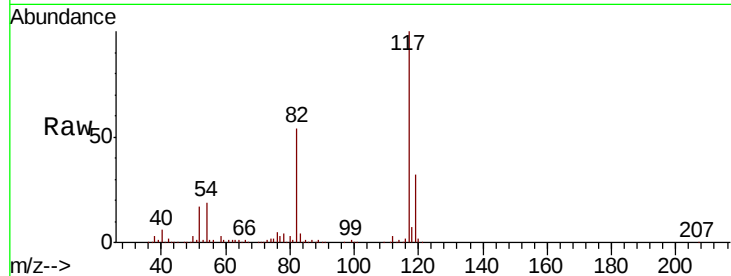
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	42.8	64.2
119	32.4	25.5	38.3

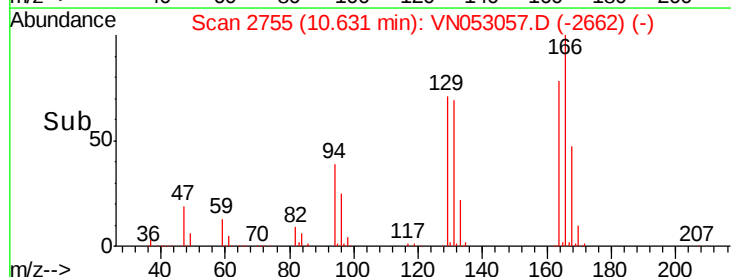
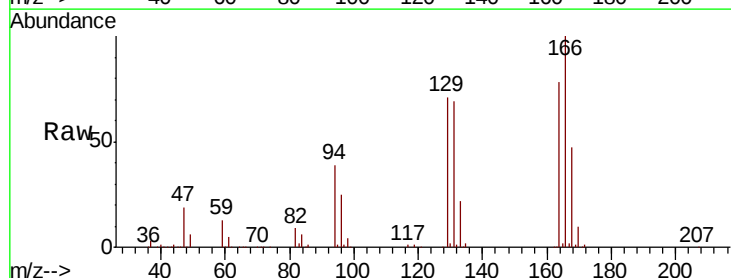
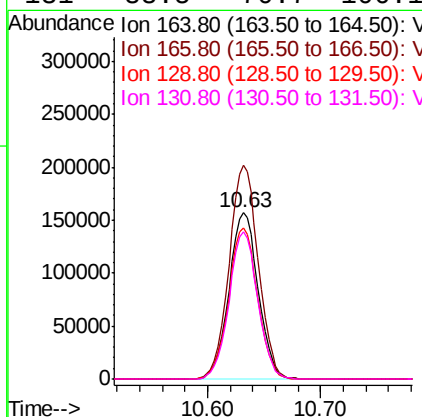
Manual Integrations
APPROVED

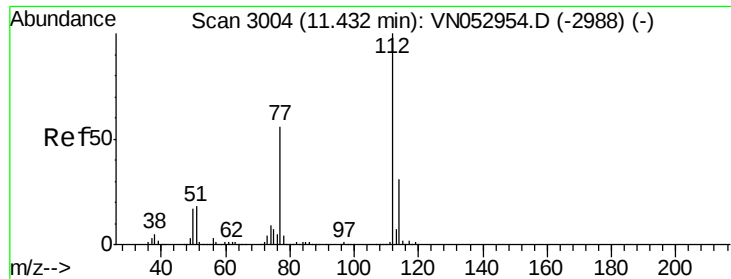
MMDadoda
12/21/2018 9:21:19 AM



#64
Tetrachloroethene
Concen: 18.565 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.9	154.3
129	90.7	73.7	110.5
131	88.5	70.7	106.1





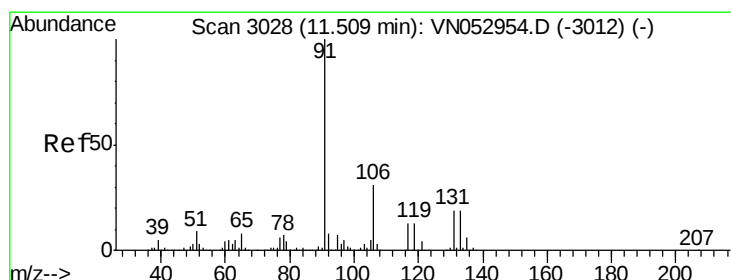
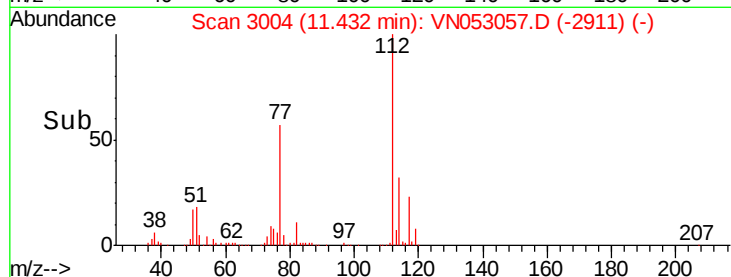
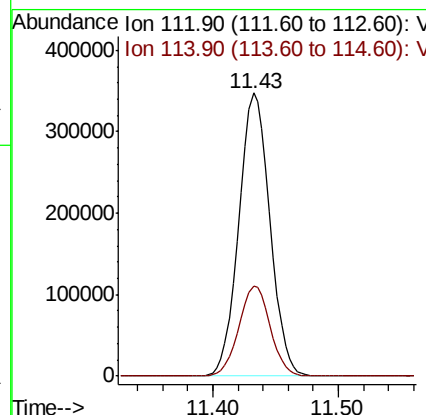
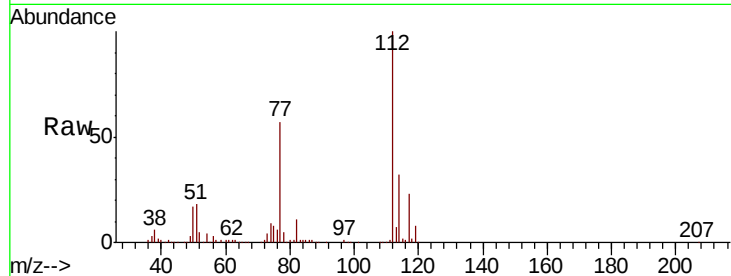
#65
Chlorobenzene
Concen: 19.321 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.5	38.3

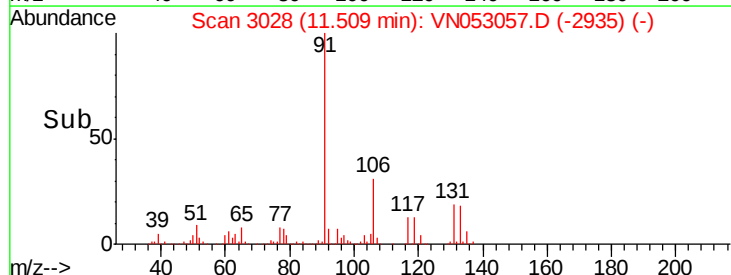
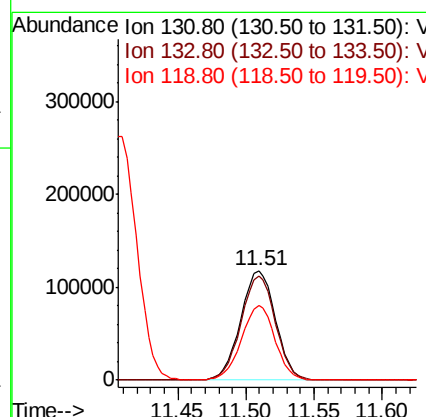
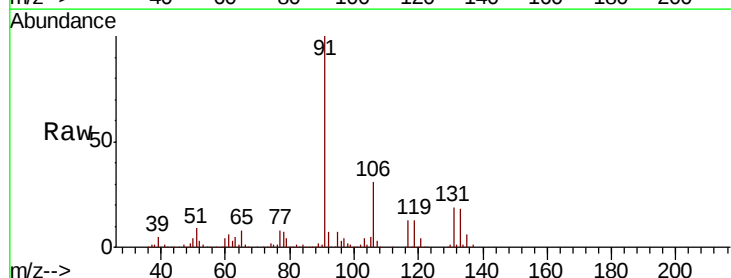
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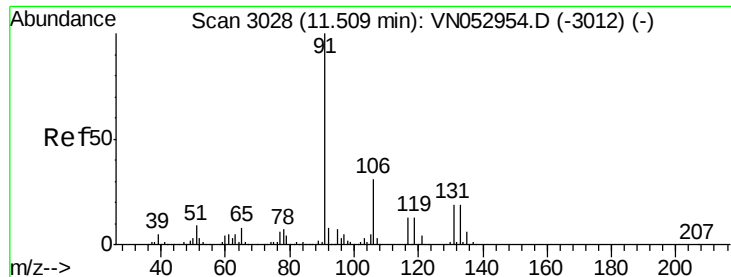
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.395 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.6	142.9
119	66.0	33.3	99.8





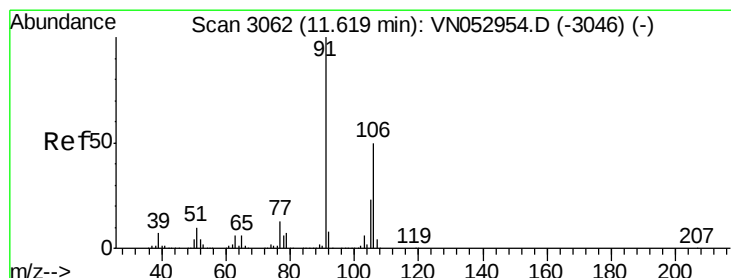
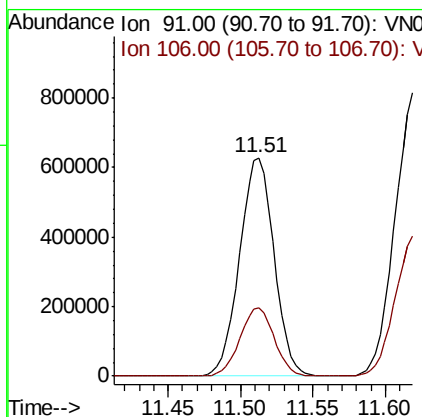
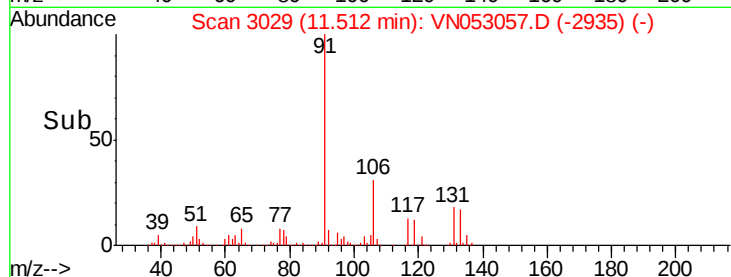
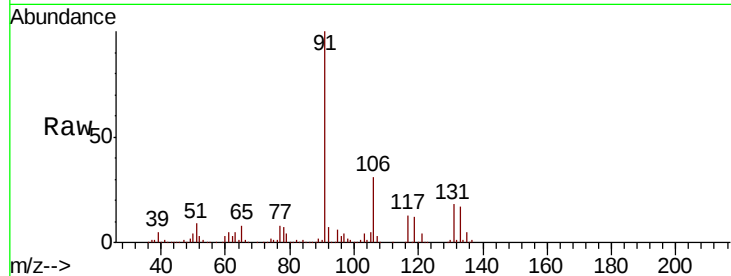
#67
Ethyl Benzene
Concen: 19.483 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD01

Tot Ion: 91 Resp: 1037078
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3

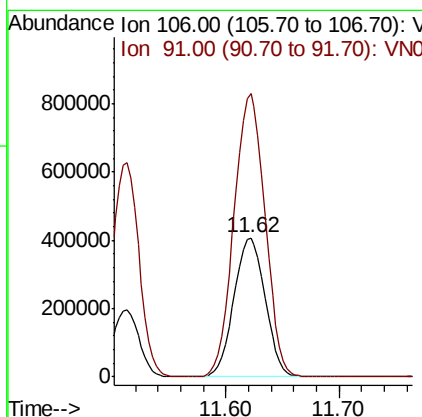
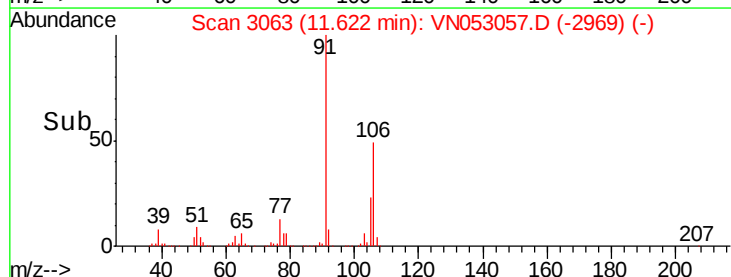
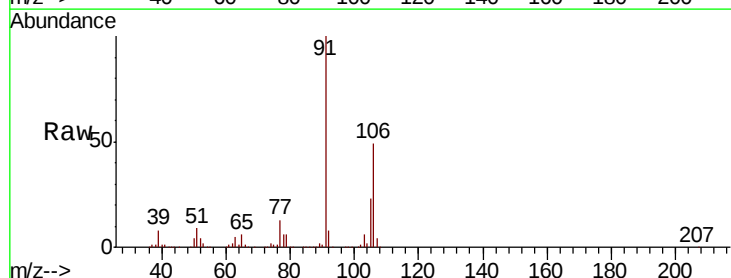
Manual Integrations
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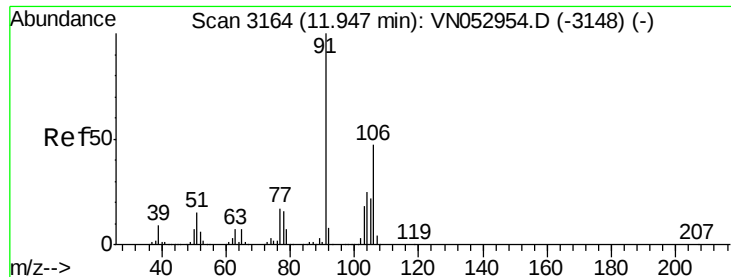
MMDadoda
12/21/2018 9:21:19 AM



#68
m/p-Xylenes
Concen: 38.812 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion: 106 Resp: 785394
Ion Ratio Lower Upper
106 100
91 202.4 162.2 243.4





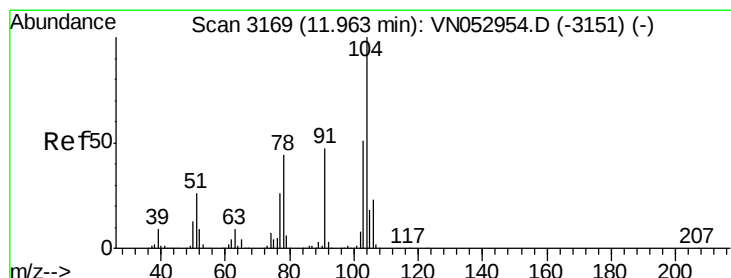
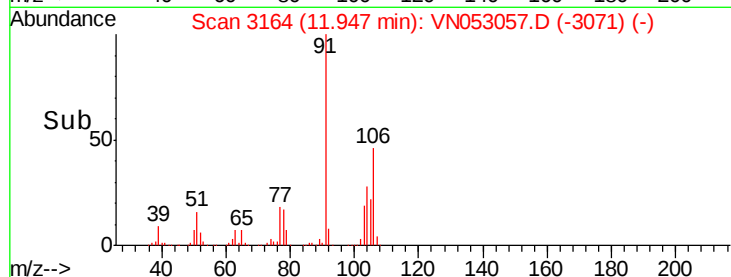
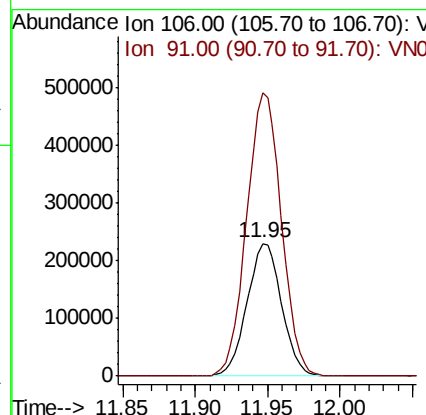
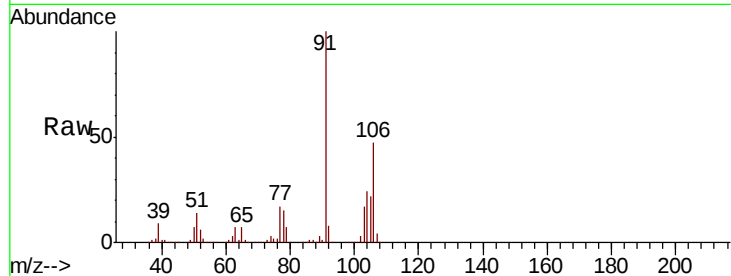
#69
o-Xylene
Concen: 19.621 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		380996		
91	215.3	106.6	319.8		

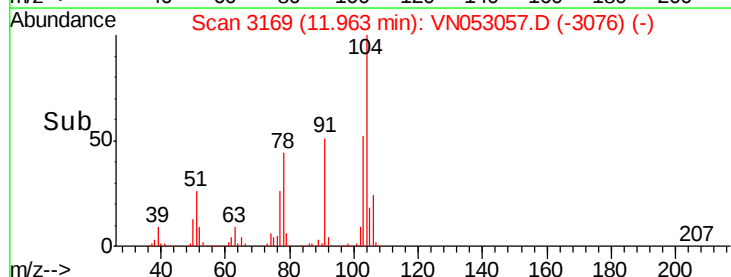
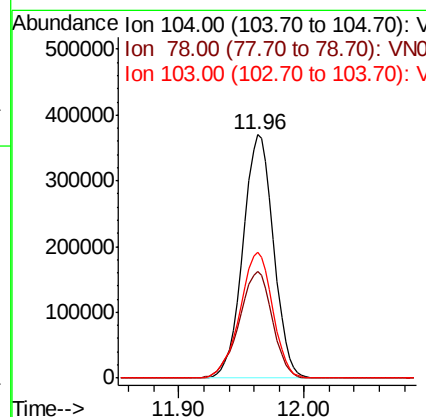
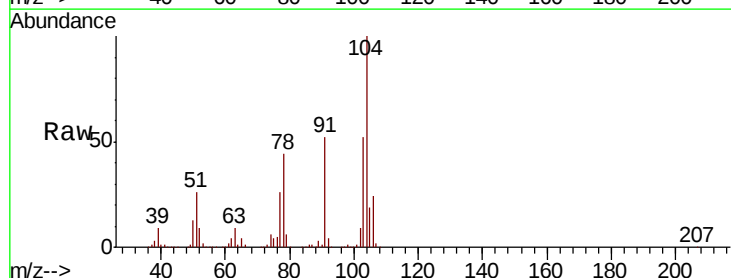
Manual Integrations
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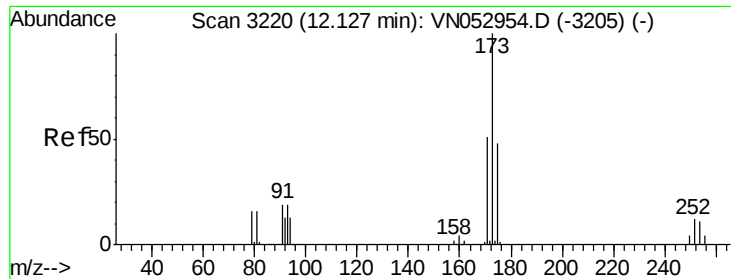
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#70
Styrene
Concen: 19.794 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		626744		
78	47.5	38.9	58.3		
103	55.4	44.3	66.5		





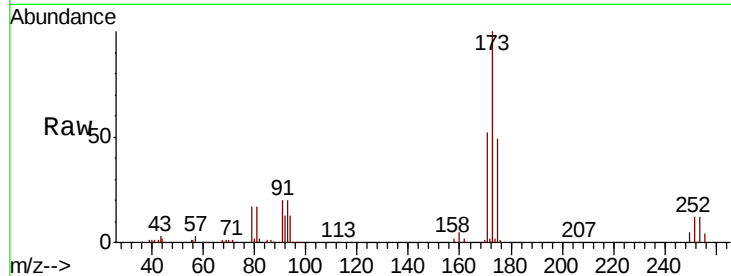
#71
Bromoform
Concen: 17.790 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.9
254	0.0	0.1	0.1

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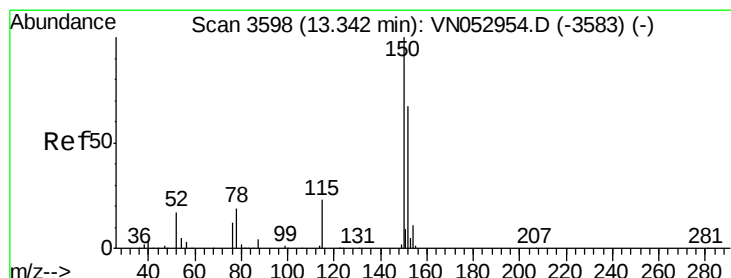
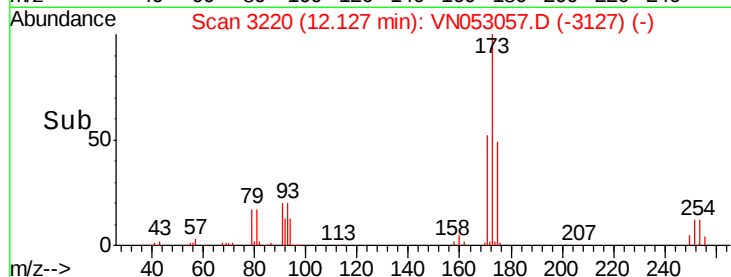
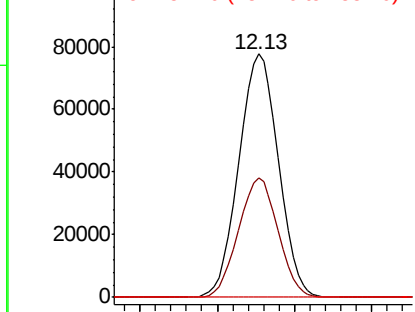


Abundance

Ion 172.70 (172.40 to 173.40): V

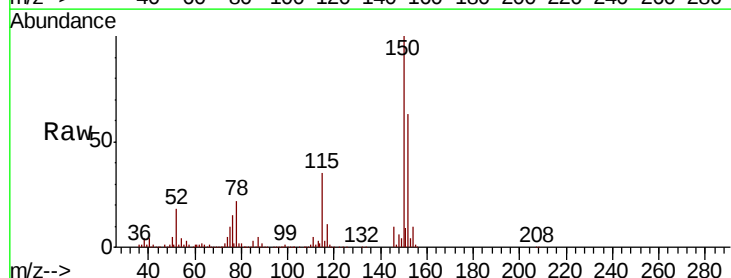
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.3	85.0
150	164.2	0.0	347.8

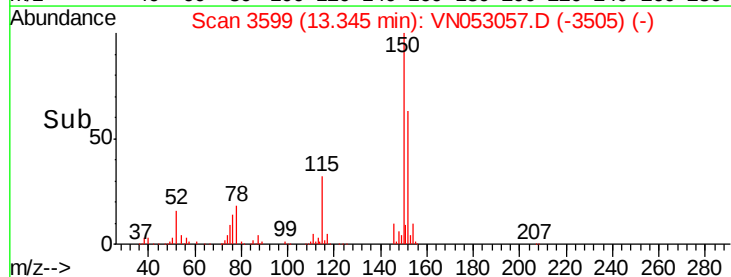
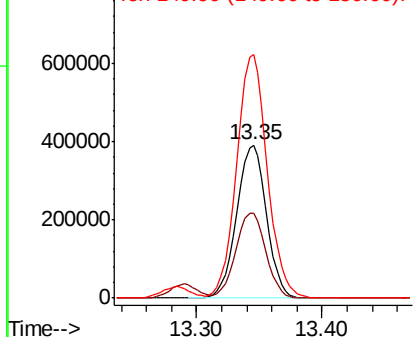


Abundance

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: 20.094 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

ClientSampleId :

VN1220WBSD01

Tot Ion:105 Resp: 1011723

Ion Ratio Lower Upper

105 100

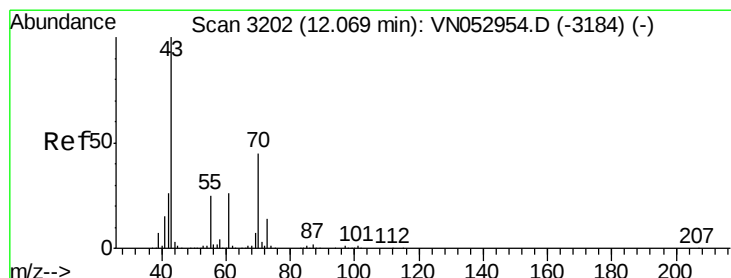
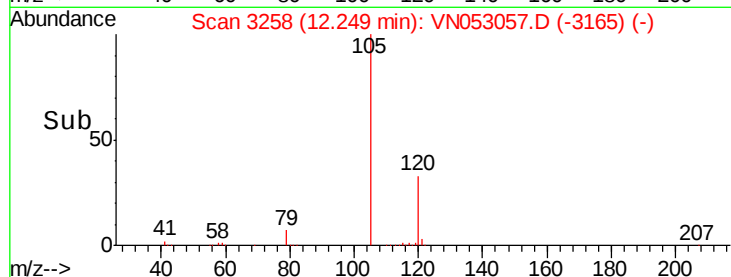
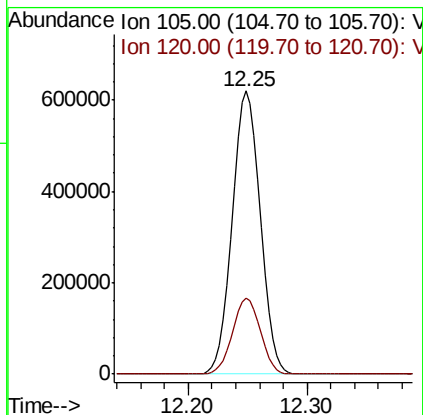
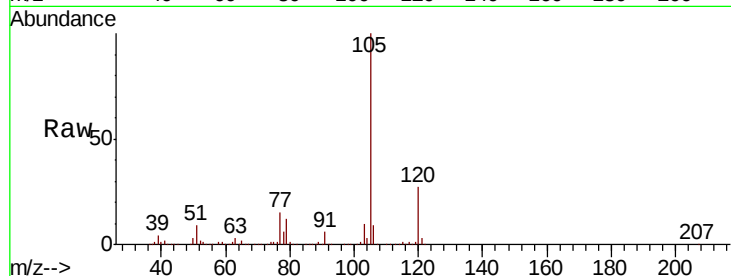
120 26.8 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.680 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Tgt Ion: 43 Resp: 289077

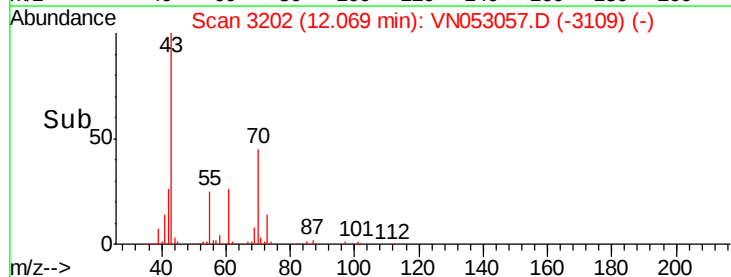
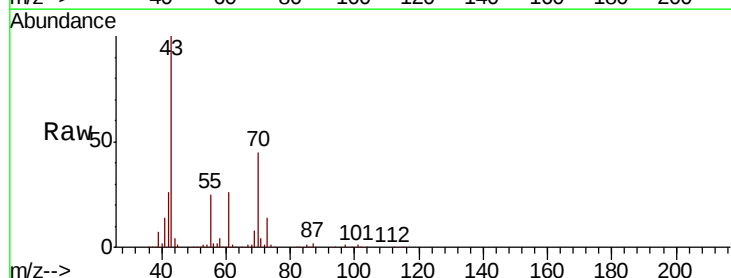
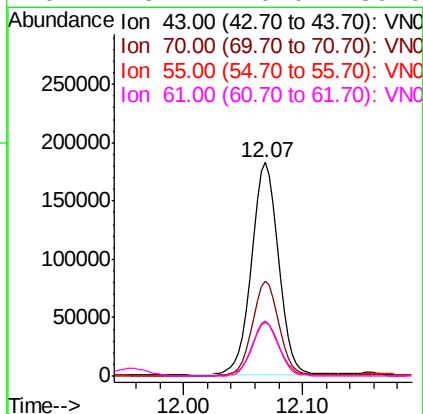
Ion Ratio Lower Upper

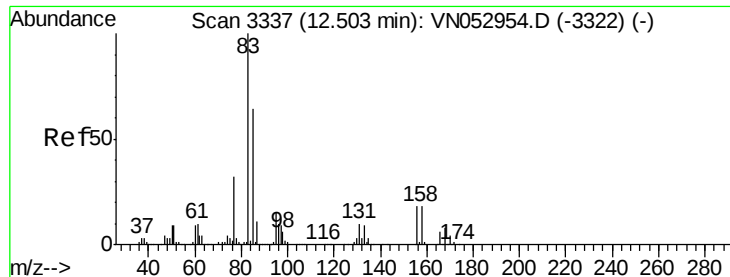
43 100

70 43.5 34.2 51.4

55 25.2 20.3 30.5

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.666 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

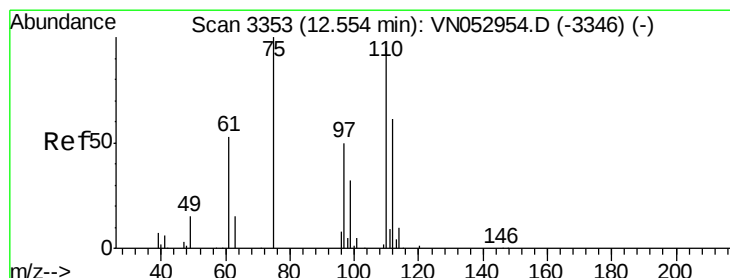
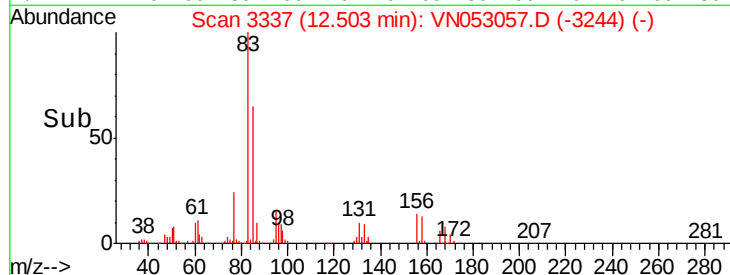
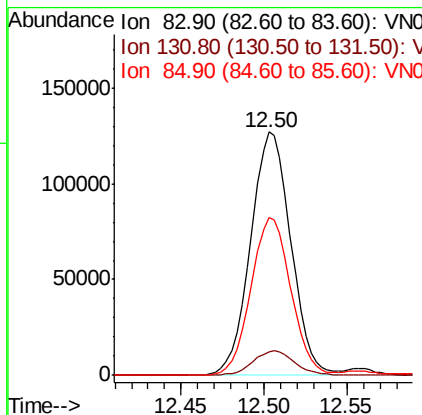
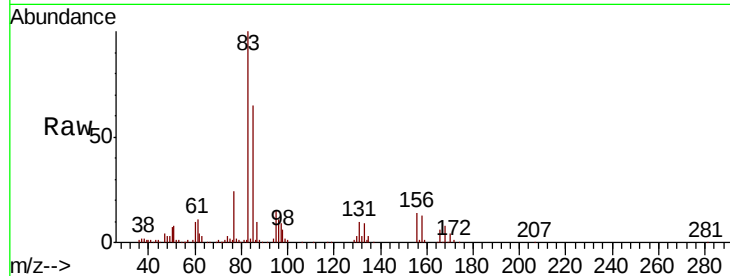
ClientSampleId :

VN1220WBSD01

Tot Ion:	83	Resp:	214010
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.4	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 17.940 ug/l m

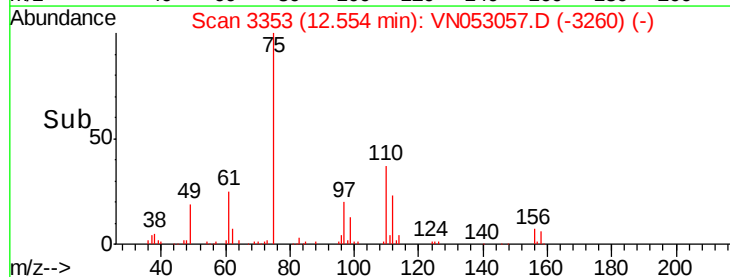
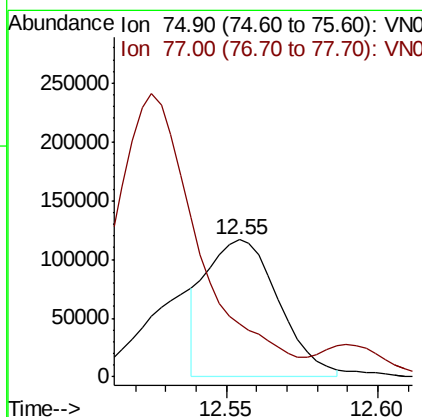
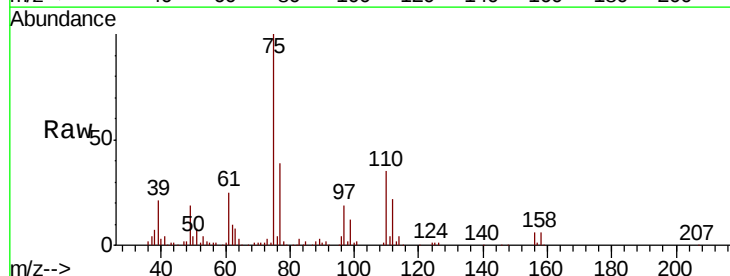
RT: 12.55 min Scan# 3353

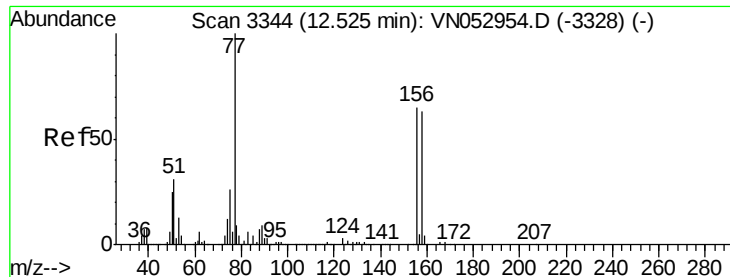
Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Tgt Ion:	75	Resp:	194337
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.761 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

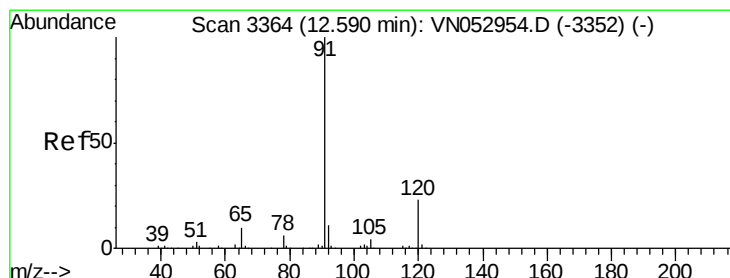
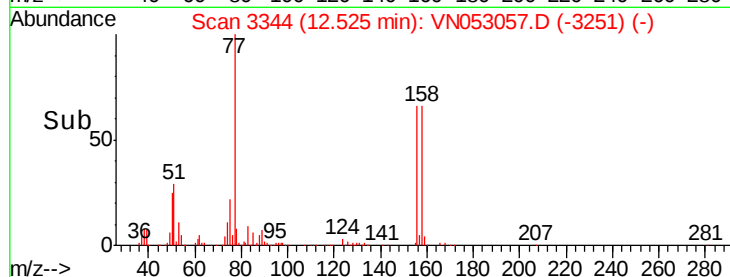
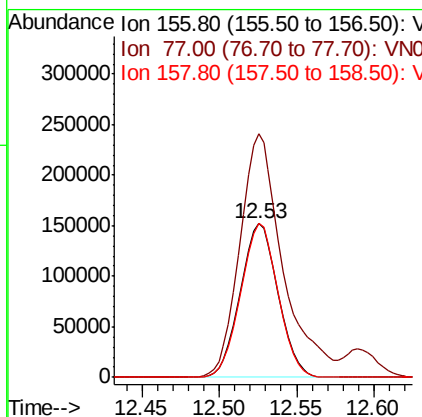
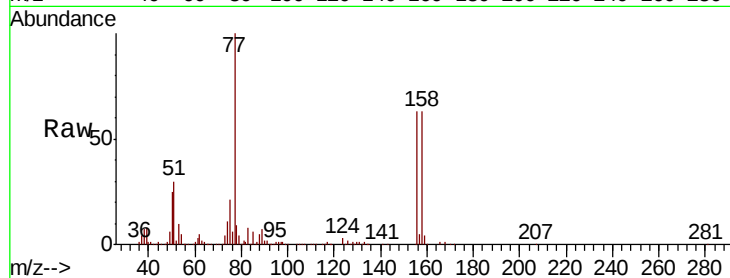
ClientSampleId :

VN1220WBSD01

Tot Ion:	156	Resp:	258626
Ion Ratio	Lower	Upper	
156	100		
77	180.9	91.3	273.8
158	98.7	49.0	147.2

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#78

n-propylbenzene

Concen: 19.679 ug/l

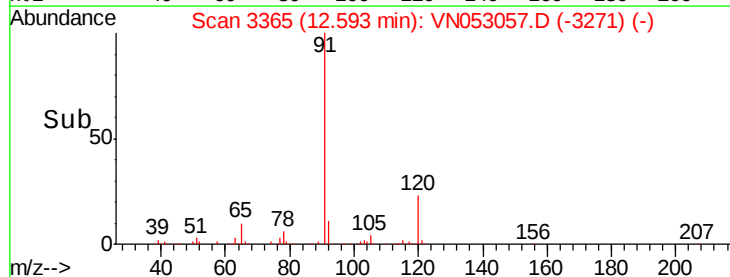
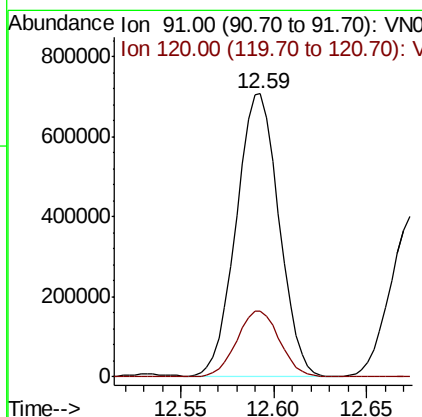
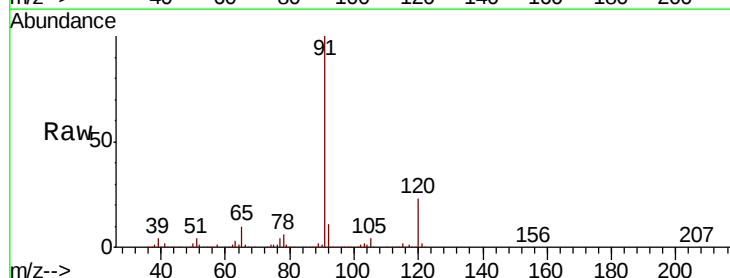
RT: 12.59 min Scan# 3365

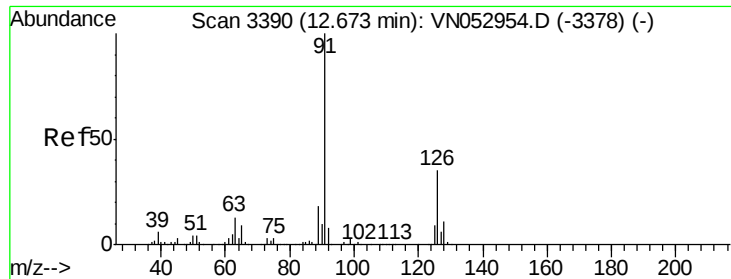
Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Tgt Ion:	91	Resp:	1128432
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.5	34.5





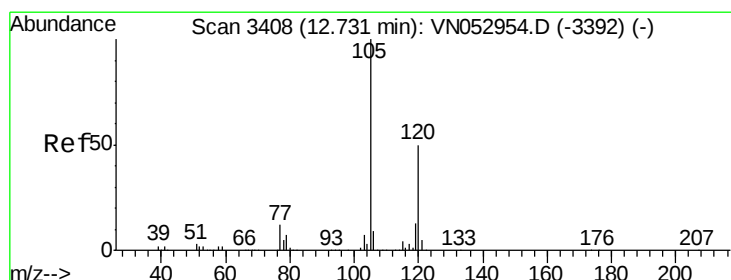
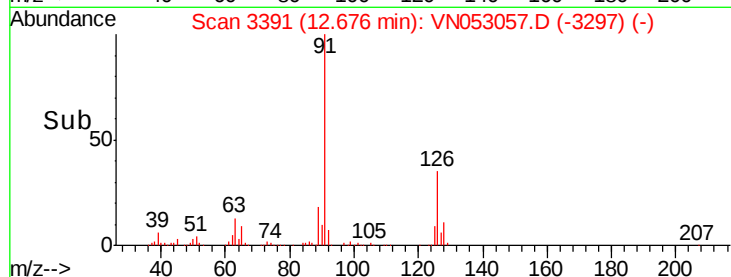
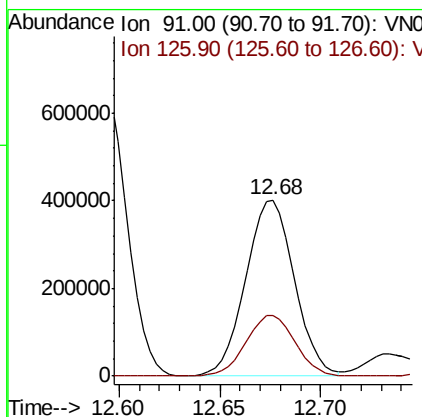
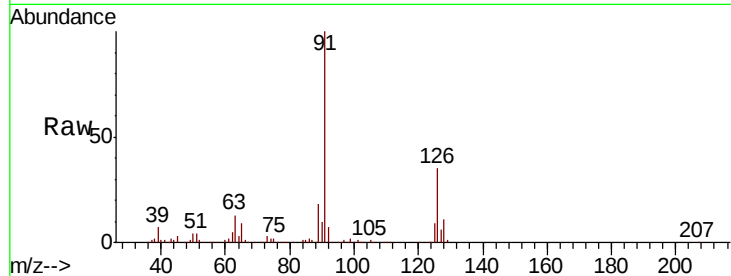
#79
 2-Chlorotoluene
 Concen: 19.031 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD01

Tot Ion: 91 Resp: 676431
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.4 52.3

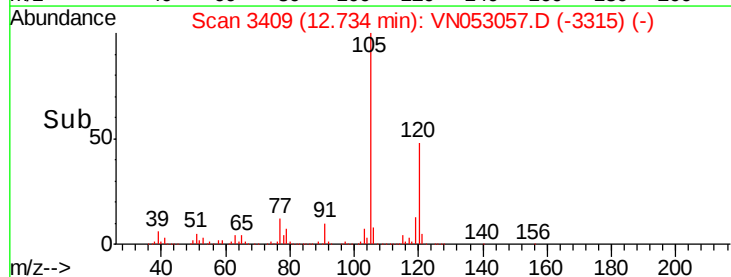
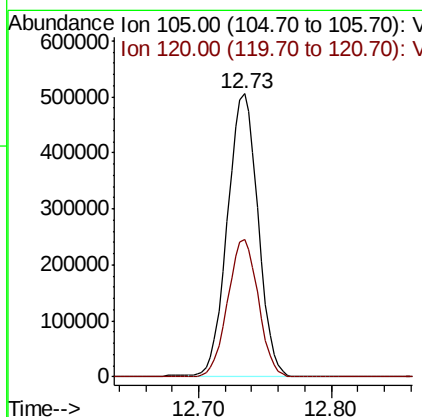
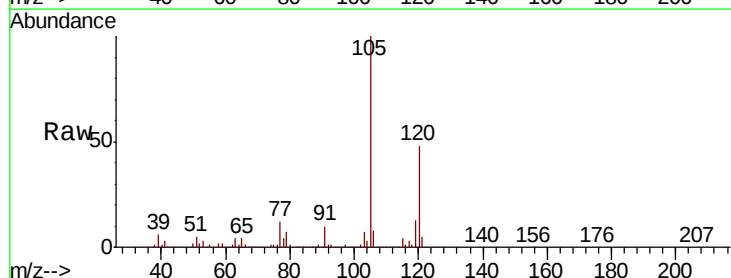
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.757 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Tgt Ion: 105 Resp: 810785
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.4 73.2





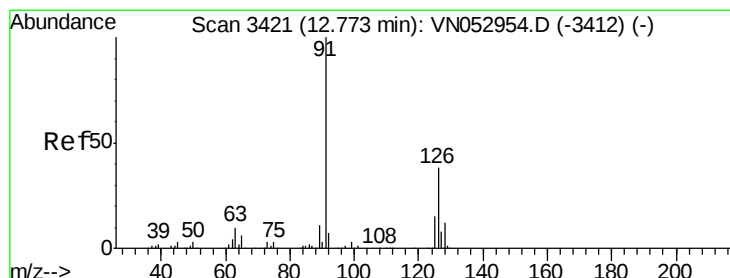
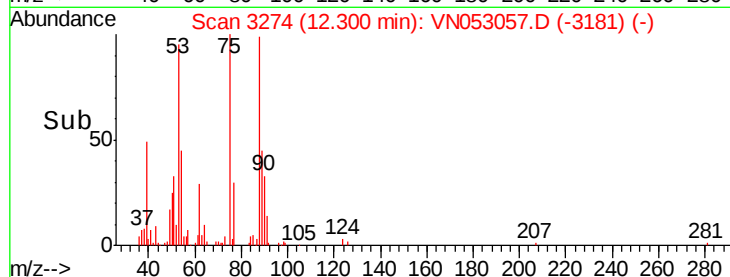
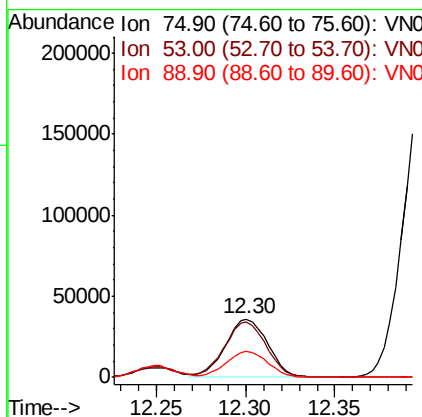
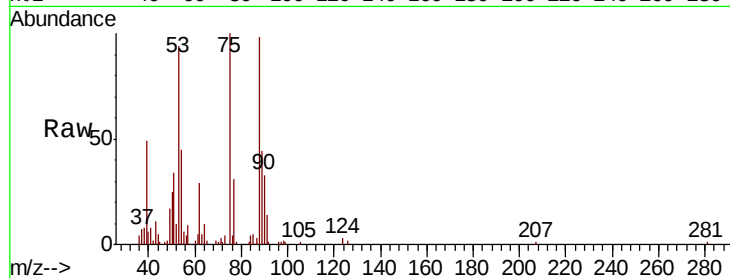
#81
trans-1,4-Dichloro-2-butene
Concen: 17.650 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.7	74.7	112.1
89	44.1	36.1	54.1

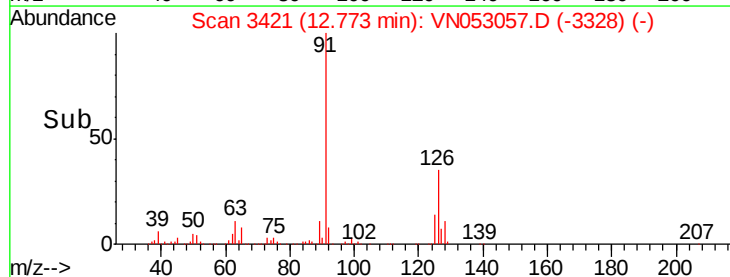
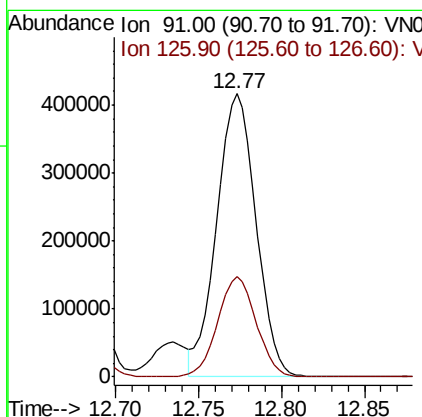
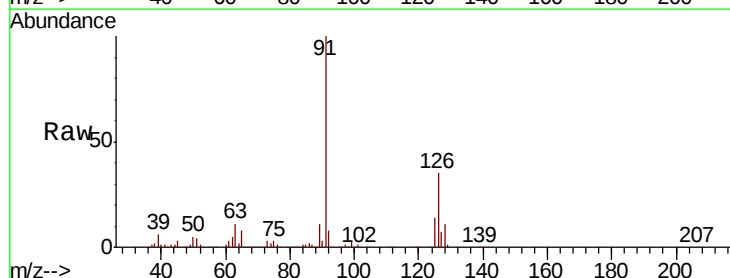
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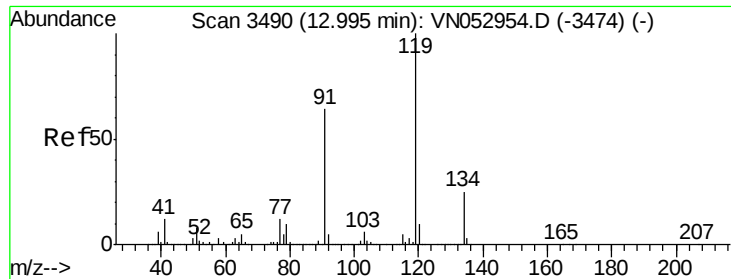
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#82
4-Chlorotoluene
Concen: 19.668 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	51.7





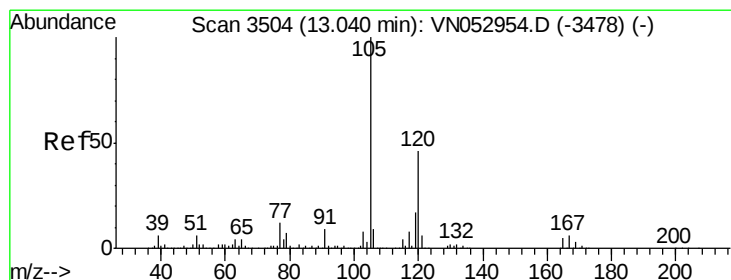
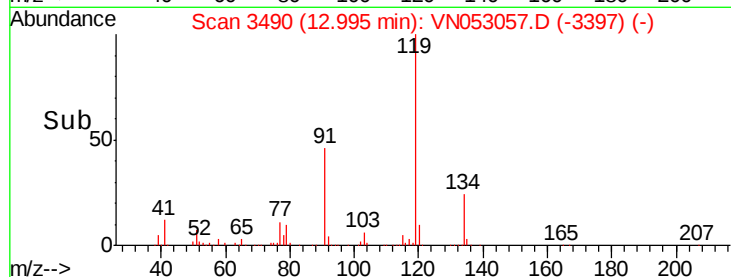
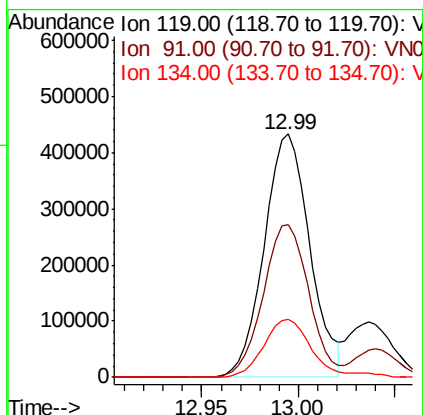
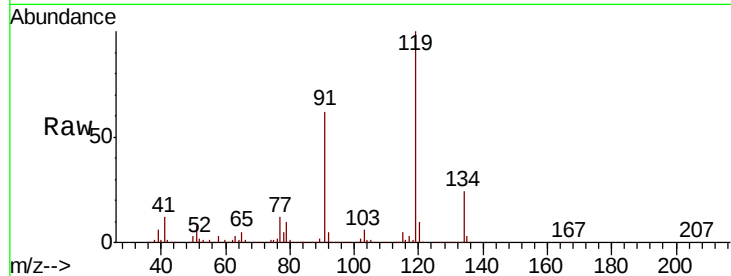
#83
 tert-Butylbenzene
 Concen: 19.642 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	712918		
91	62.4		31.9	95.5
134	25.4		12.8	38.4

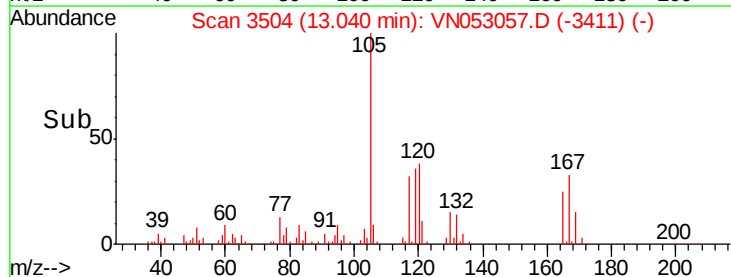
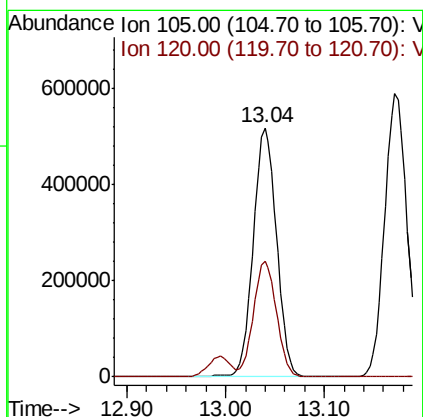
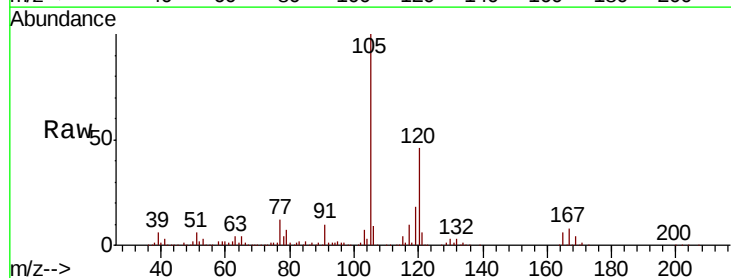
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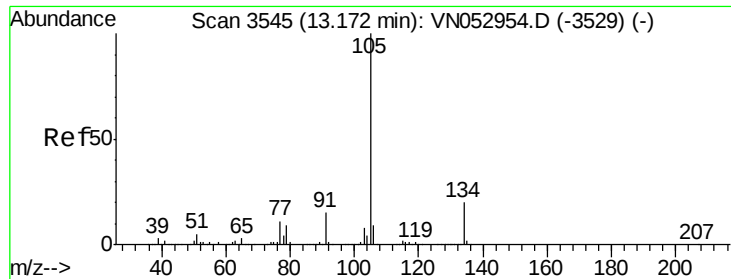
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.357 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	839814		
120	46.0		22.9	68.8





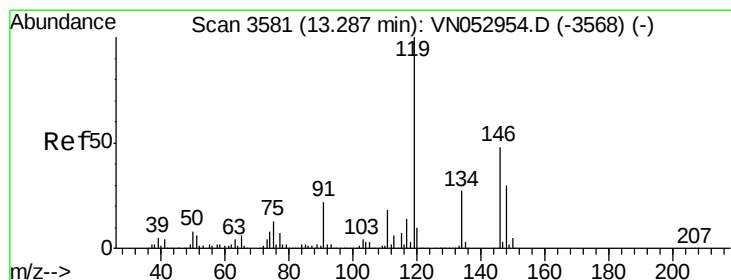
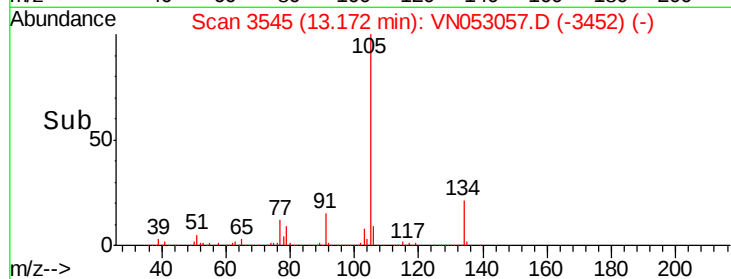
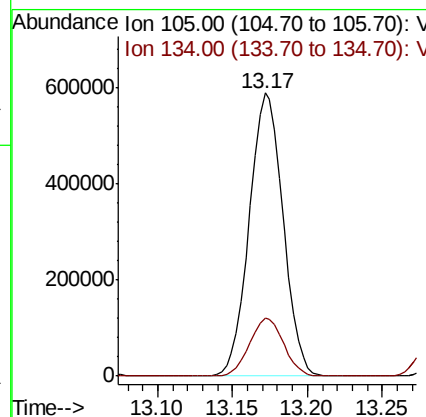
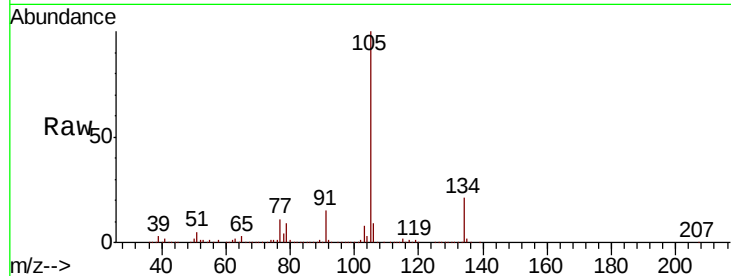
#85
 sec-Butylbenzene
 Concen: 18.870 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.1	30.3

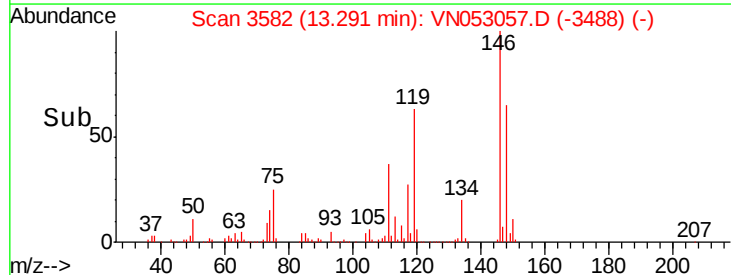
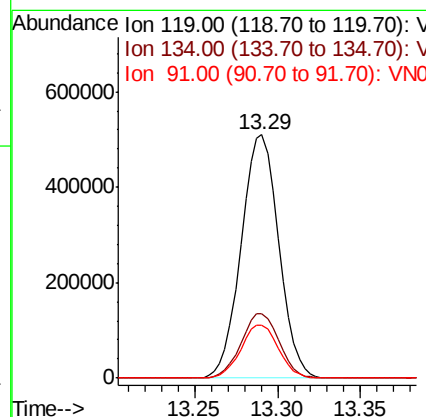
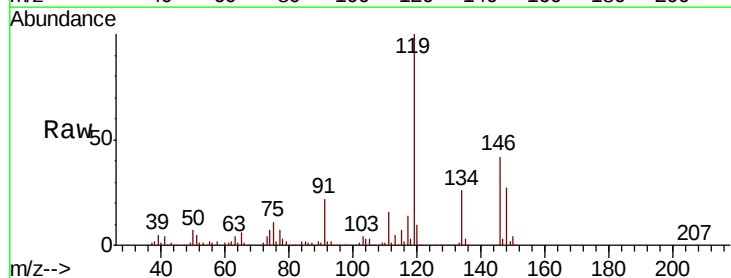
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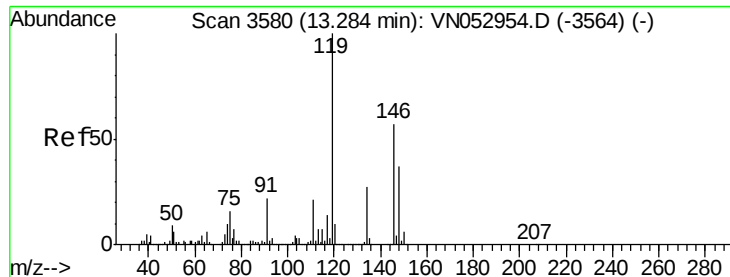
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#86
 p-Isopropyltoluene
 Concen: 18.880 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.2
91	21.8	11.1	33.3





#87

1,3-Dichlorobenzene

Concen: 19.120 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

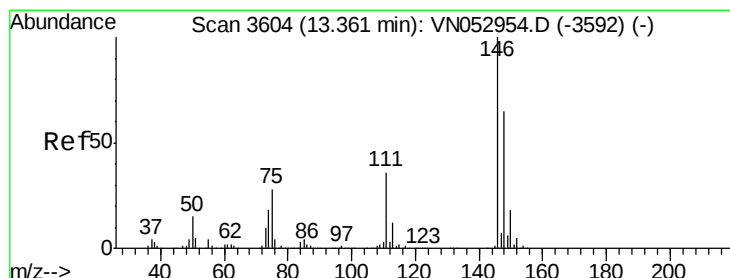
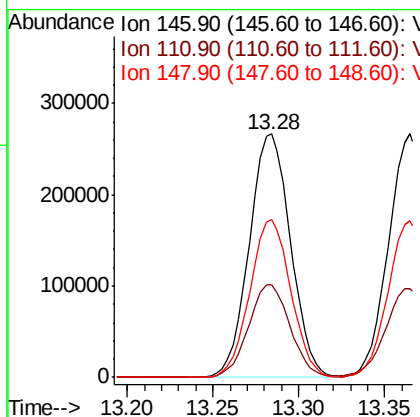
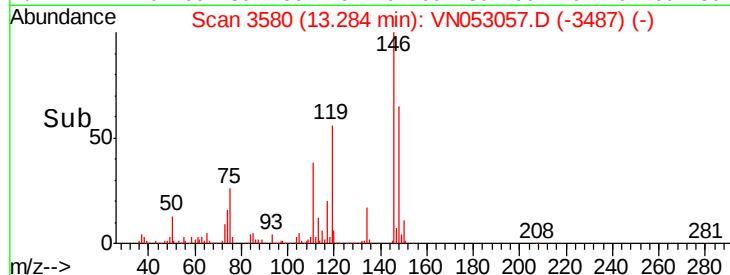
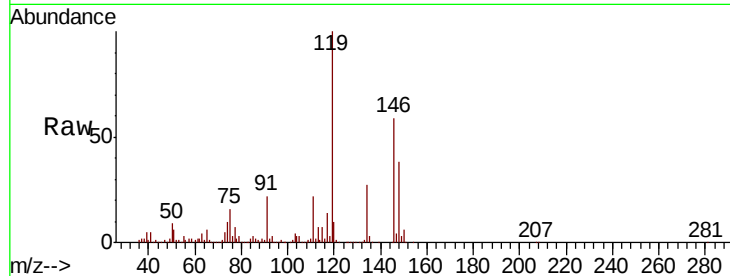
ClientSampleId :

VN1220WBSD01

Tot Ion:	146	Resp:	442894
Ion Ratio	Lower	Upper	
146	100		
111	38.0	19.1	57.1
148	64.1	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 18.464 ug/l

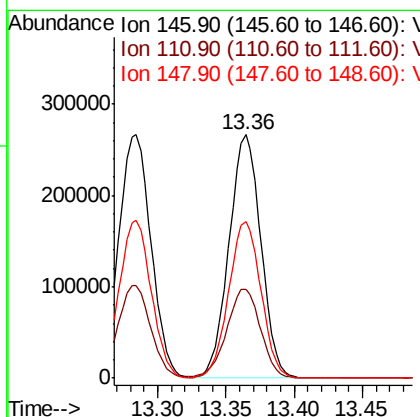
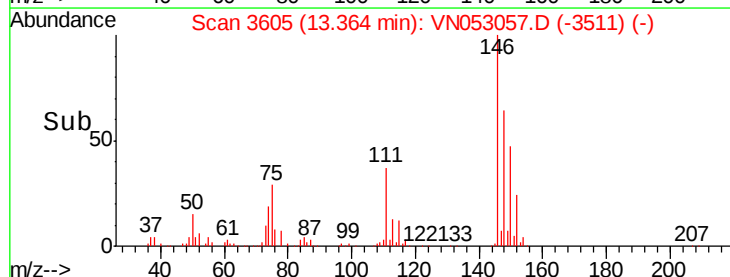
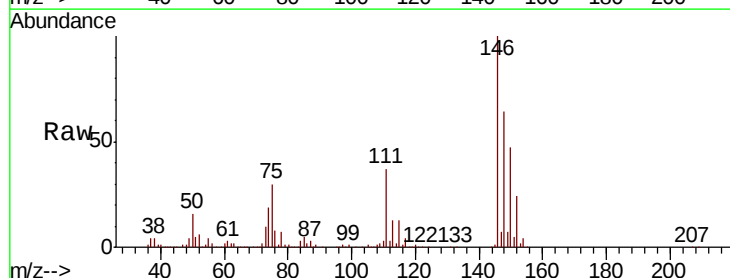
RT: 13.36 min Scan# 3605

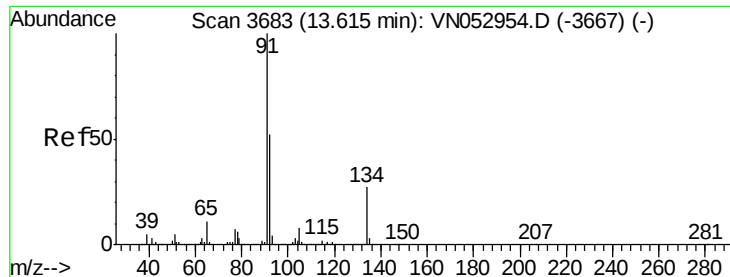
Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Tgt Ion:	146	Resp:	433132
Ion Ratio	Lower	Upper	
146	100		
111	38.9	18.6	55.8
148	65.0	32.1	96.5





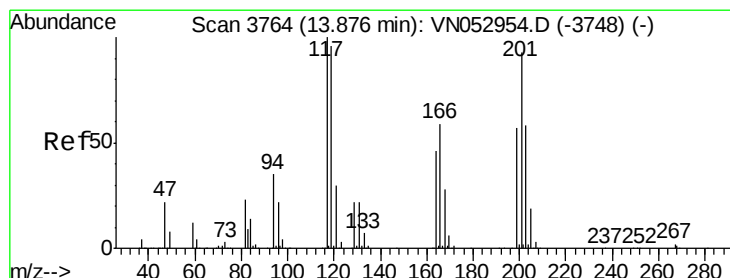
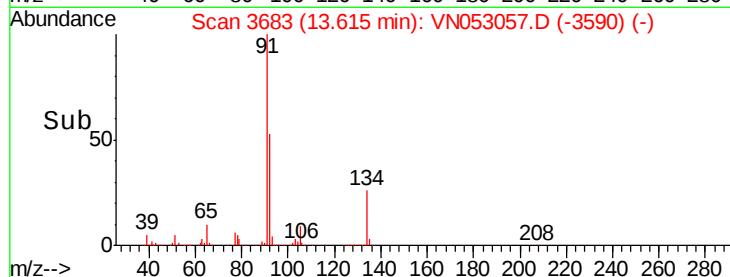
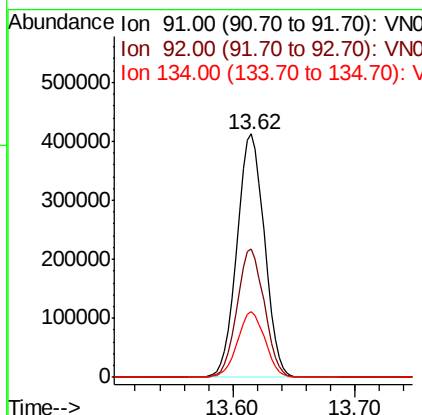
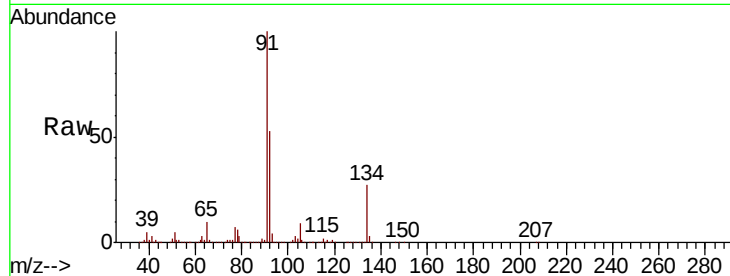
#89
n-Butylbenzene
Concen: 17.490 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Instrument :
MSVOA_N
ClientSampleId :
VN1220WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	27.2	13.3	39.8

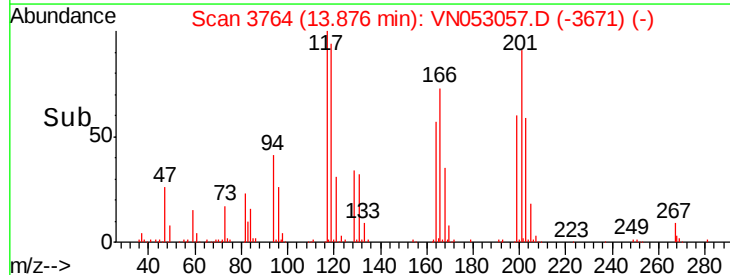
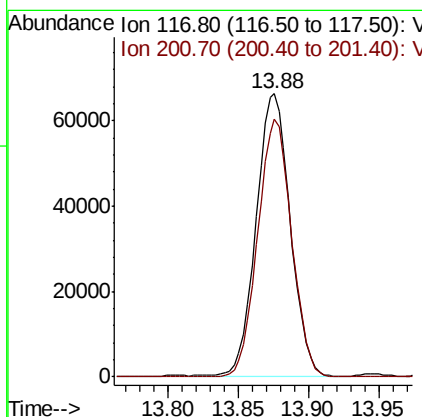
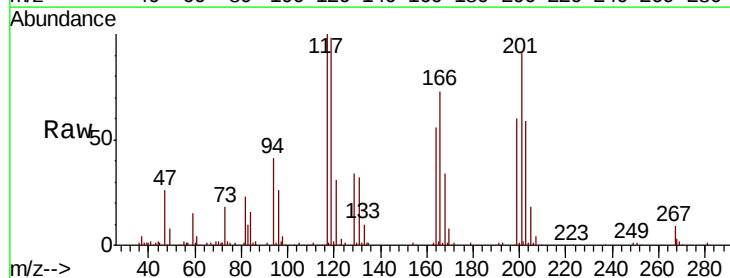
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#90
Hexachloroethane
Concen: 17.348 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053057.D
Acq: 20 Dec 2018 15:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.5	45.7	137.1





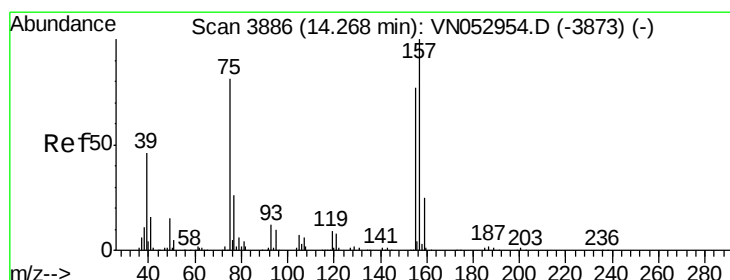
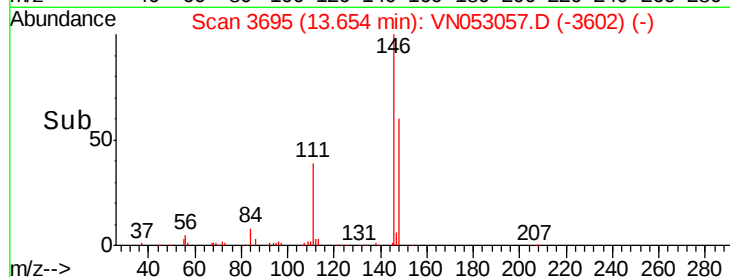
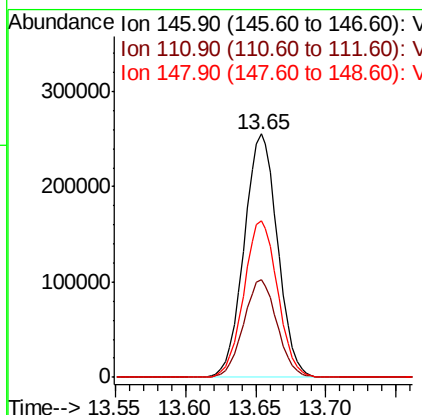
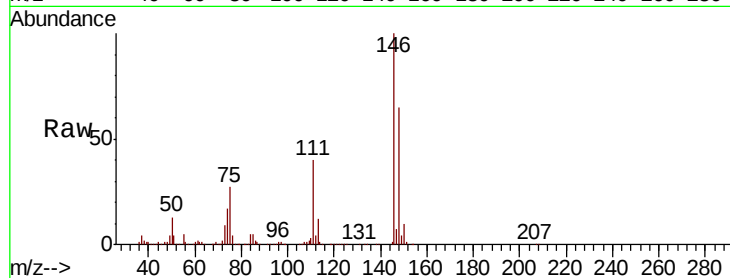
#91
 1,2-Dichlorobenzene
 Concen: 19.453 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.7	59.0
148	65.0	32.0	96.0

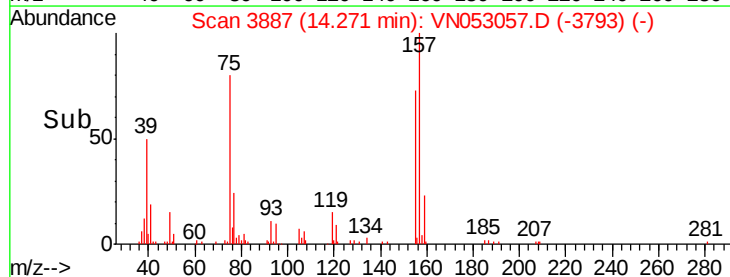
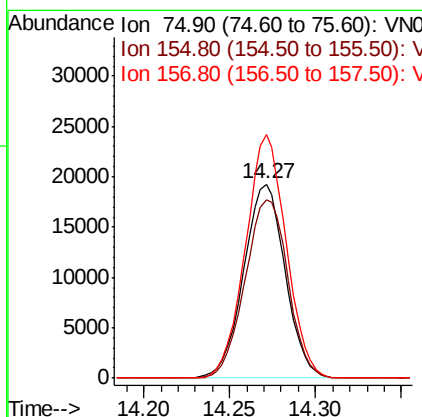
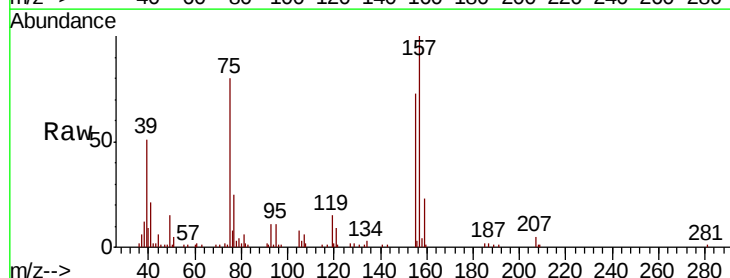
Manual Integrations
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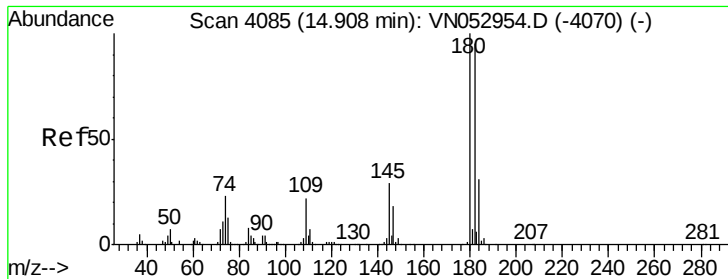
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 12/21/2018 9:21:19 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.890 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	48.2	144.6
157	122.8	61.2	183.5





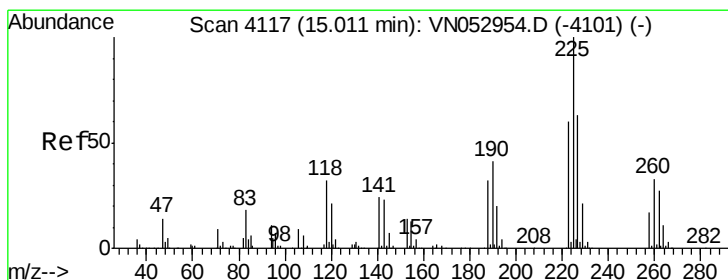
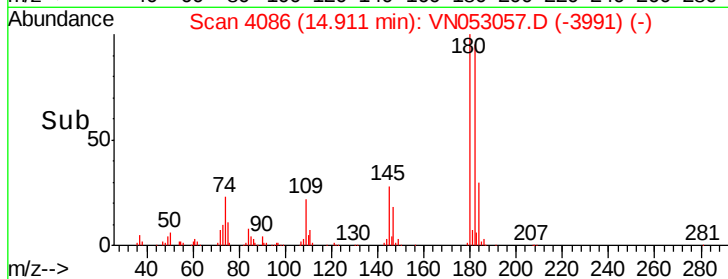
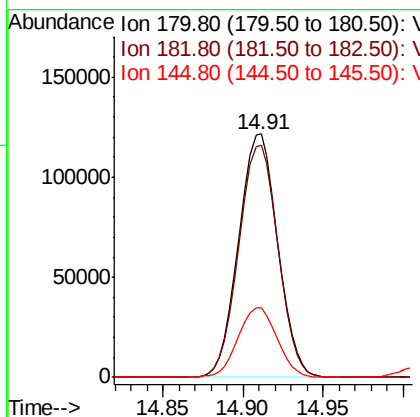
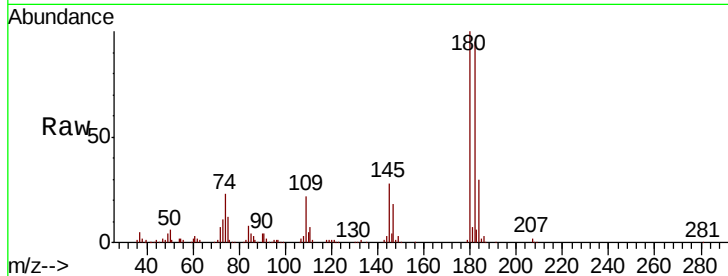
#93
 1,2,4-Trichlorobenzene
 Concen: 17.889 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	202142		
182	96.0	47.8	143.3	
145	28.8	14.2	42.6	

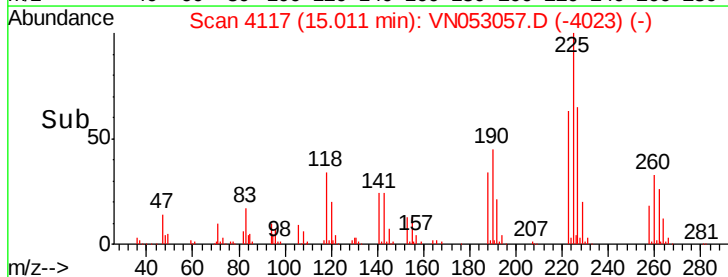
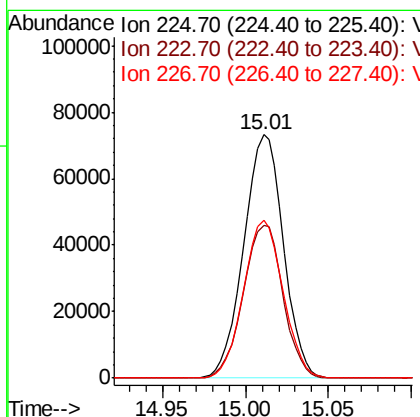
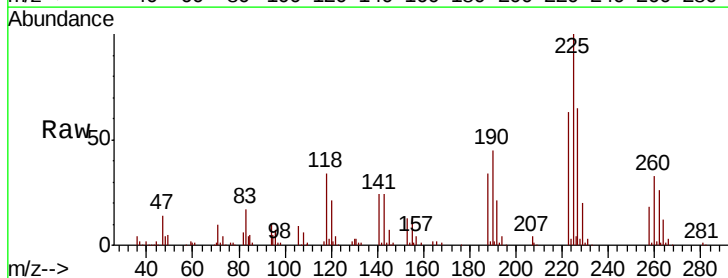
Manual Integrations
 APPROVED

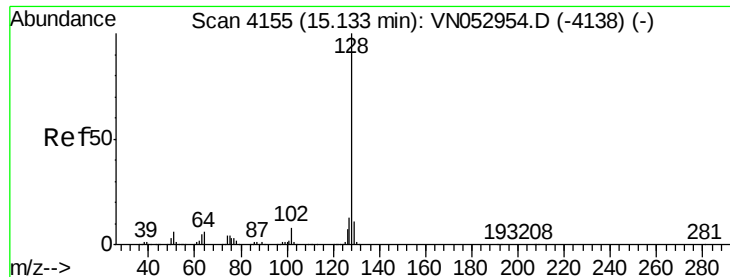
MMDadoda
 12/21/2018 9:21:19 AM



#94
 Hexachlorobutadiene
 Concen: 18.537 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053057.D
 Acq: 20 Dec 2018 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	121665		
223	63.0	31.5	94.5	
227	64.5	31.9	95.7	





#95

Naphthalene

Concen: 18.067 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA_N

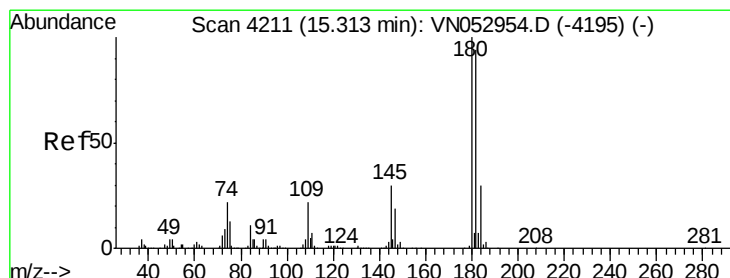
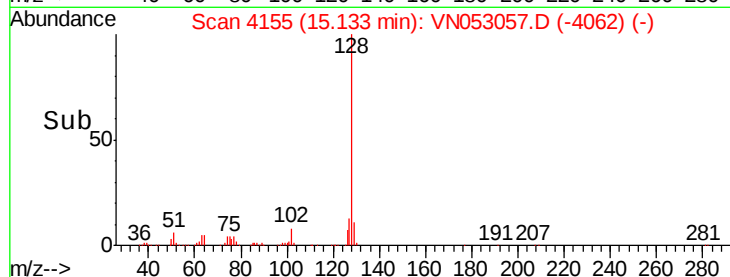
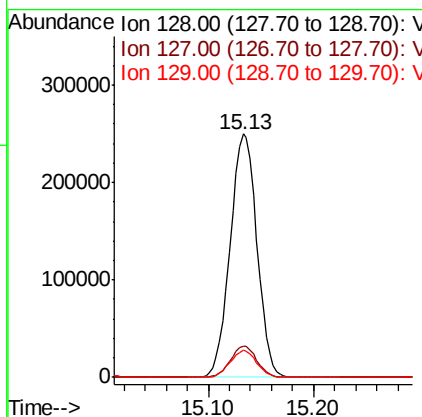
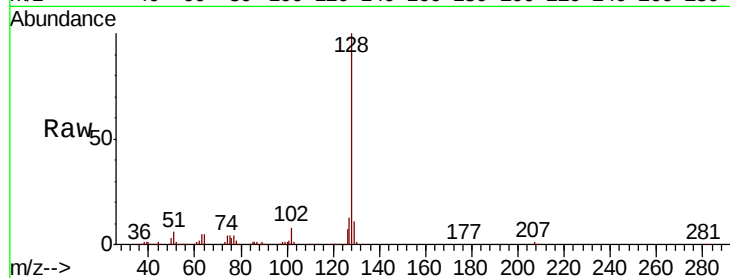
ClientSampleId :

VN1220WBSD01

Tot Ion:	128	Resp:	438151
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/21/2018 9:21:19 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.722 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Tgt Ion:	180	Resp:	180883
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.9	143.7
145	30.1	15.0	45.0

