

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049890.D
 Acq On : 18 Jul 2018 23:41
 Operator : MD\SY
 Sample : VN0718WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD02

Manual Integrations
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 7/19/2018 4:30:33 PM

Quant Time: Jul 19 06:40:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 13:09:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	587497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	896823	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	797309	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	410263	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	420385	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
35) Dibromofluoromethane	7.59	113	370427	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
50) Toluene-d8	10.09	98	1347168	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	12.40	95	441364	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	109466	19.56	ug/l	97
3) Chloromethane	2.06	50	149268	18.61	ug/l	98
4) Vinyl Chloride	2.18	62	165828	19.39	ug/l	99
5) Bromomethane	2.56	94	103728	20.57	ug/l	98
6) Chloroethane	2.70	64	105878	18.95	ug/l	100
7) Trichlorofluoromethane	3.01	101	224614	19.10	ug/l	98
8) Diethyl Ether	3.41	74	81916	19.97	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	135607	18.70	ug/l	99
10) Methyl Iodide	3.95	142	180686	18.58	ug/l	98
11) Tert butyl alcohol	4.81	59	58550	101.78	ug/l	99
12) 1,1-Dichloroethene	3.73	96	121698	19.11	ug/l	99
13) Acrolein	3.61	56	33143	89.41	ug/l	91
14) Allyl chloride	4.32	41	193963	19.32	ug/l	99
15) Acrylonitrile	4.99	53	263262	104.06	ug/l	99
16) Acetone	3.82	43	193634	92.62	ug/l	100
17) Carbon Disulfide	4.05	76	348963	18.31	ug/l	97
18) Methyl Acetate	4.33	43	150804	22.50	ug/l	100
19) Methyl tert-butyl Ether	5.06	73	362082	20.66	ug/l	99
20) Methylene Chloride	4.55	84	149313	18.78	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	132215	19.55	ug/l	99
22) Diisopropyl ether	5.96	45	435833	21.27	ug/l	99
23) Vinyl Acetate	5.90	43	1486533	103.40	ug/l	99
24) 1,1-Dichloroethane	5.85	63	264557	20.11	ug/l	99
25) 2-Butanone	6.84	43	302957	101.39	ug/l	100
26) 2,2-Dichloropropane	6.82	77	174155	17.02	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	151342	20.39	ug/l	97
28) Bromochloromethane	7.19	49	116927	19.68	ug/l	98
29) Tetrahydrofuran	7.22	42	204254	108.52	ug/l	100
30) Chloroform	7.37	83	269829	19.98	ug/l	98
31) Cyclohexane	7.65	56	210696	19.68	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	228371	19.57	ug/l	99
36) 1,1-Dichloropropene	7.79	75	191679	19.22	ug/l	99
37) Ethyl Acetate	6.94	43	136701	19.96	ug/l	99
38) Carbon Tetrachloride	7.77	117	201123	18.83	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	185850	18.04	ug/l	97
40) Benzene	8.04	78	590093	19.42	ug/l	99
41) Methacrylonitrile	7.21	41	197973	57.67	ug/l #	20
42) 1,2-Dichloroethane	8.13	62	198332	19.70	ug/l	99
43) Isopropyl Acetate	8.17	43	265330	22.18	ug/l	98
44) Trichloroethene	8.84	130	152272	19.11	ug/l	98
45) 1,2-Dichloropropane	9.12	63	156101	19.04	ug/l	100
46) Dibromomethane	9.21	93	98162	19.31	ug/l	98
47) Bromodichloromethane	9.40	83	207219	19.71	ug/l	99
48) Methyl methacrylate	9.20	41	117751	19.62	ug/l	98
49) 1,4-Dioxane	9.20	88	33605	394.76	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	697795	104.35	ug/l	99
52) Toluene	10.16	92	362598	20.00	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	196630	18.91	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	221213	19.25	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	143202	19.12	ug/l	99
56) Ethyl methacrylate	10.43	69	174576	18.77	ug/l	98
57) 1,3-Dichloropropane	10.71	76	232886	19.75	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	416088	104.29	ug/l	100
59) 2-Hexanone	10.75	43	461229	102.68	ug/l	98
60) Dibromochloromethane	10.90	129	156374	19.04	ug/l	99
61) 1,2-Dibromoethane	11.01	107	136968	19.57	ug/l	98
64) Tetrachloroethene	10.63	164	140379	19.59	ug/l	99
65) Chlorobenzene	11.44	112	390094	19.47	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	151217	19.49	ug/l	99
67) Ethyl Benzene	11.51	91	639285	19.67	ug/l	100
68) m/p-Xylenes	11.62	106	503275	40.91	ug/l	98
69) o-Xylene	11.95	106	239109	20.24	ug/l	98
70) Styrene	11.97	104	391444	20.45	ug/l	99
71) Bromoform	12.13	173	112104	20.20	ug/l #	98
73) Isopropylbenzene	12.25	105	636284	20.42	ug/l	100
74) N-amyl acetate	12.07	43	194230	20.48	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	188970	20.24	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	156103m	20.28	ug/l	
77) Bromobenzene	12.53	156	169952	19.75	ug/l	97
78) n-propylbenzene	12.59	91	726374	20.50	ug/l	99
79) 2-Chlorotoluene	12.68	91	448462	20.61	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	521441	20.88	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	46259	18.80	ug/l	95
82) 4-Chlorotoluene	12.77	91	453898	20.80	ug/l	99
83) tert-Butylbenzene	12.99	119	450492	20.54	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	536399	21.20	ug/l	100
85) sec-Butylbenzene	13.17	105	599864	20.69	ug/l	100
86) p-Isopropyltoluene	13.29	119	510494	20.66	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	294592	19.65	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	290277	19.31	ug/l	100
89) n-Butylbenzene	13.62	91	395928	19.40	ug/l	99
90) Hexachloroethane	13.88	117	102599	18.50	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	295843	20.07	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29253	20.28	ug/l	98

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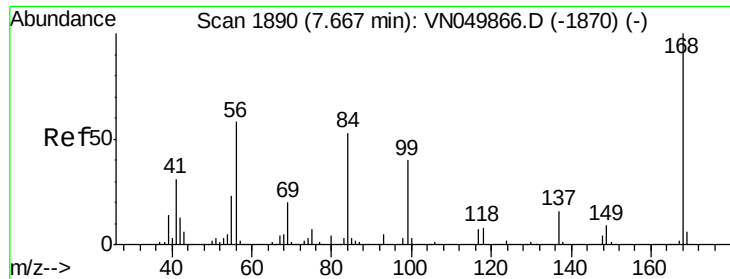
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	136694	19.12	ug/l	100
94) Hexachlorobutadiene	15.01	225	89878	18.60	ug/l	99
95) Naphthalene	15.14	128	300913	18.59	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	140822	19.91	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD02

Tot Ion:168 Resp: 587497

Ion Ratio Lower Upper

168 100

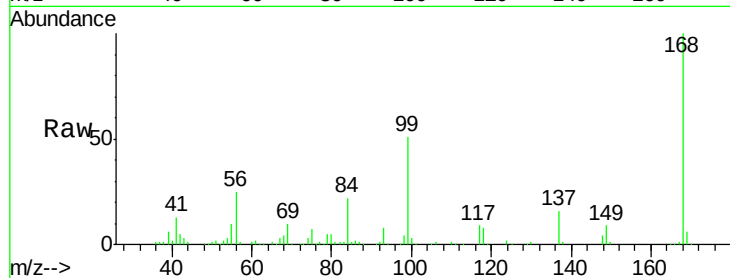
99 50.7 40.6 61.0

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

250000

200000

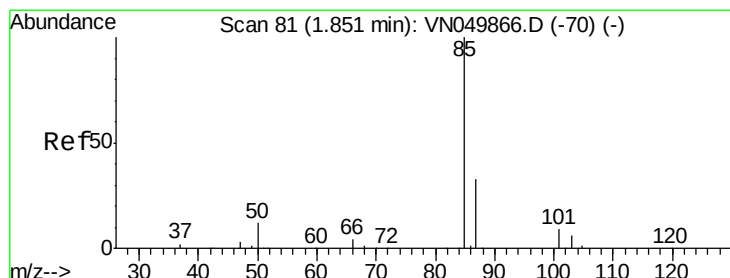
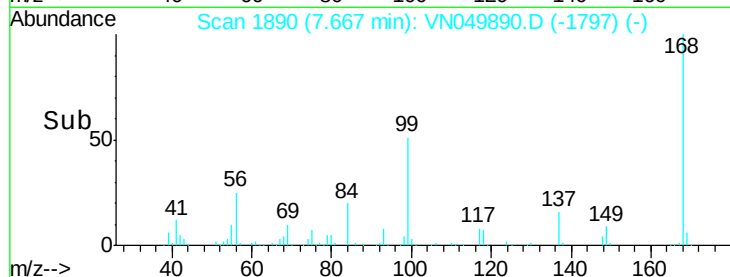
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.56 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049890.D

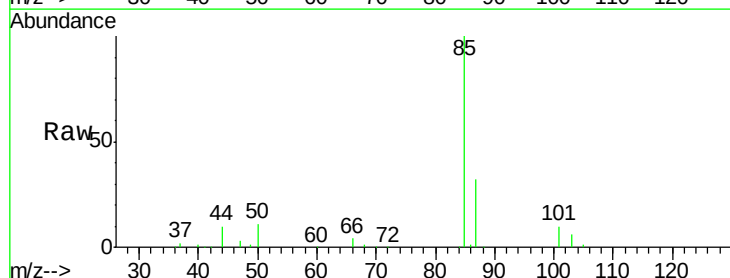
Acq: 18 Jul 2018 23:41

Tgt Ion: 85 Resp: 109466

Ion Ratio Lower Upper

85 100

87 32.1 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

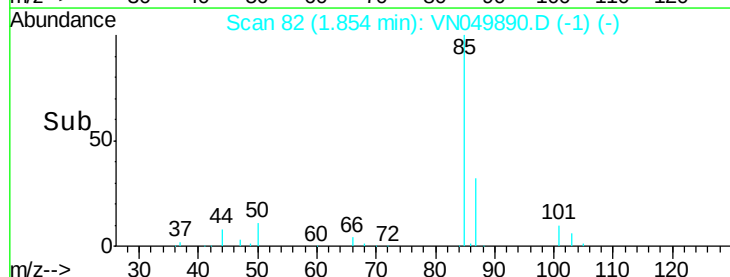
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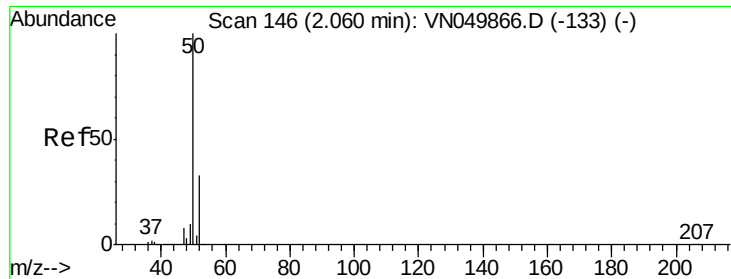
40000

20000

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Time-->





#3

Chloromethane

Concen: 18.61 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD02

Tot Ion: 50 Resp: 149268

Ion Ratio Lower Upper

50 100

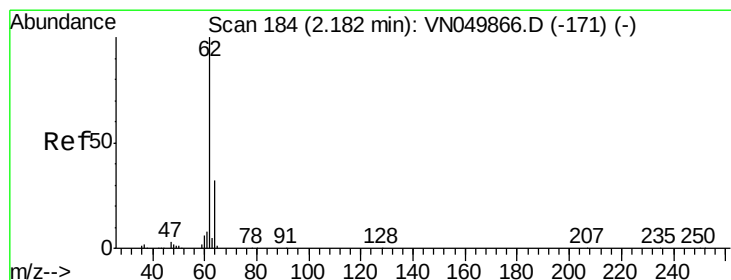
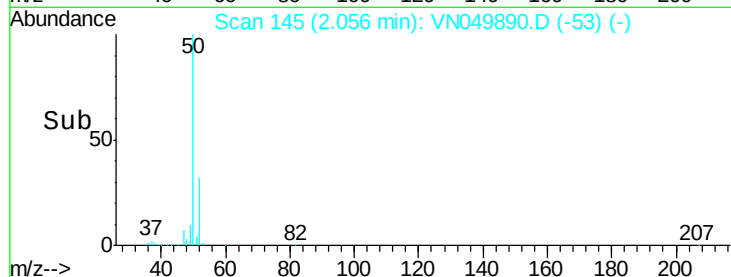
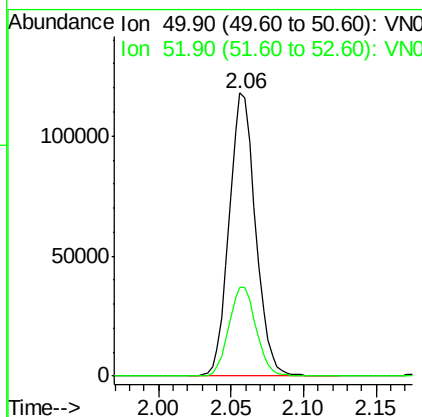
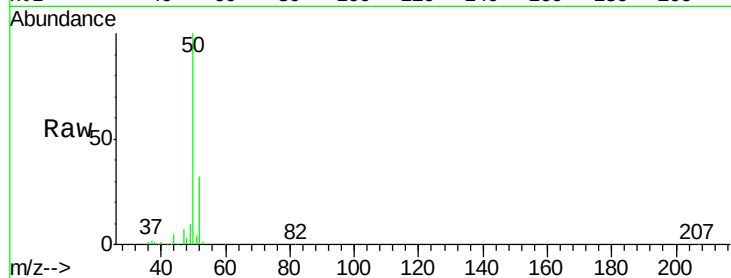
52 31.6 26.1 39.1

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#4

Vinyl Chloride

Concen: 19.39 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049890.D

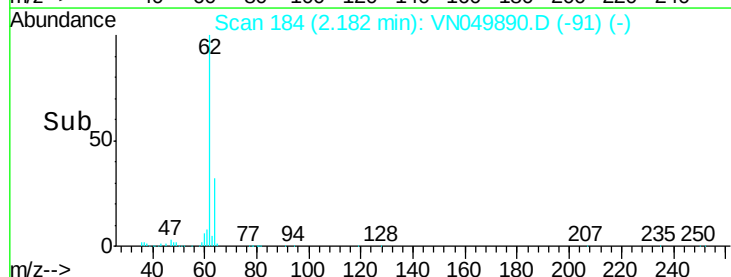
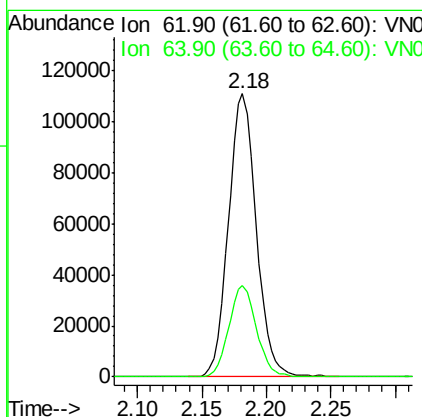
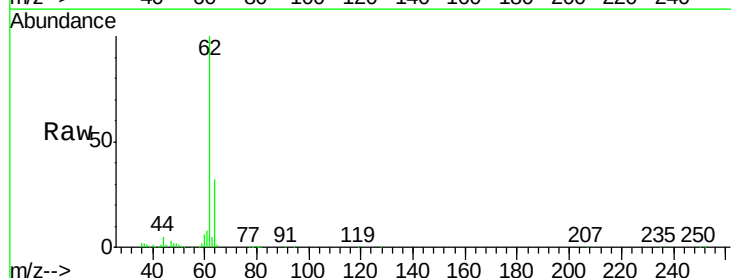
Acq: 18 Jul 2018 23:41

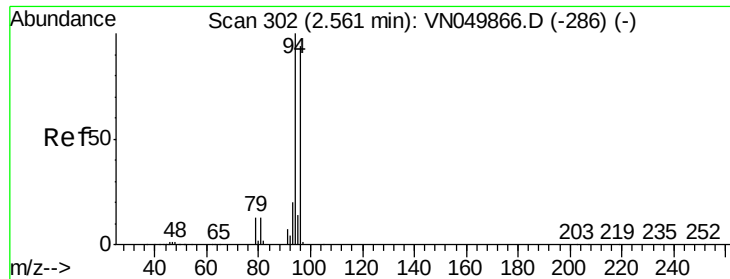
Tgt Ion: 62 Resp: 165828

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0





#5

Bromomethane

Concen: 20.57 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD02

Tot Ion: 94 Resp: 103728

Ion Ratio Lower Upper

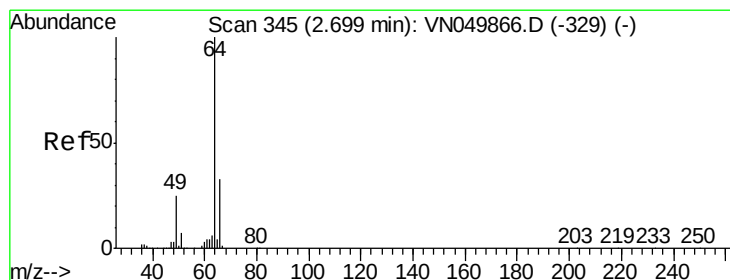
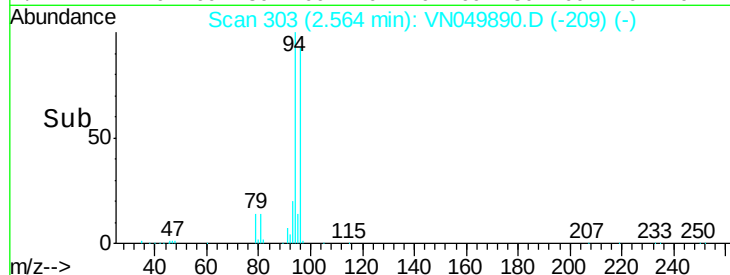
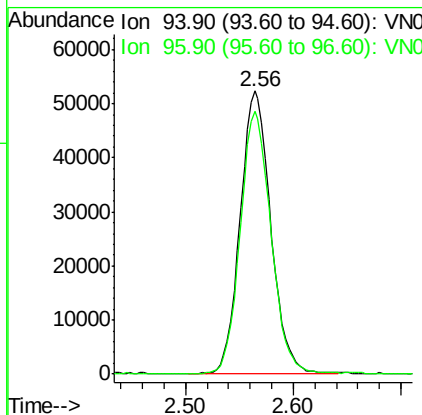
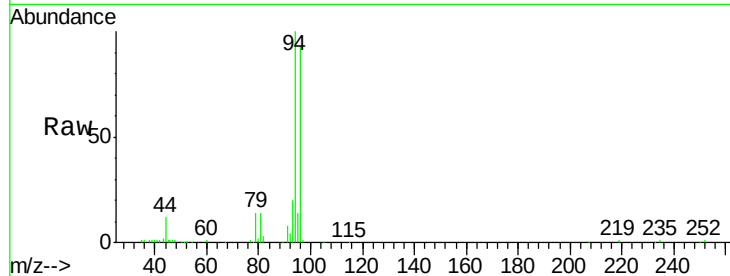
94 100

96 92.8 75.7 113.5

Manual Integrations
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#6

Chloroethane

Concen: 18.95 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049890.D

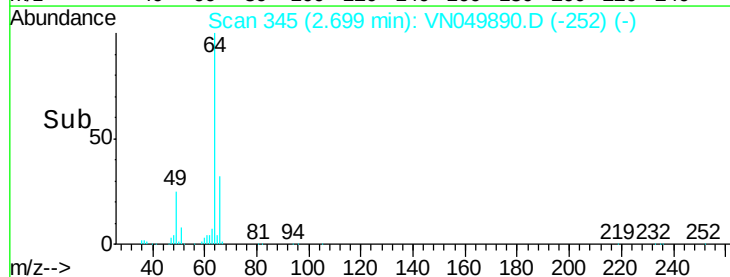
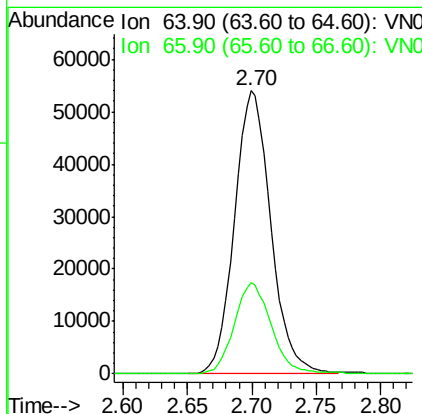
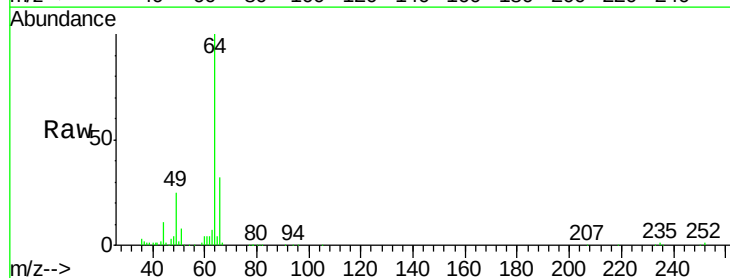
Acq: 18 Jul 2018 23:41

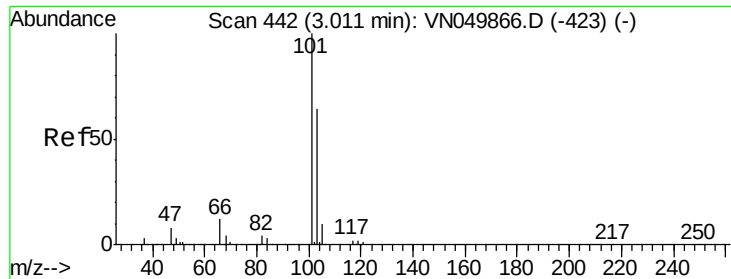
Tgt Ion: 64 Resp: 105878

Ion Ratio Lower Upper

64 100

66 32.1 25.6 38.4





#7

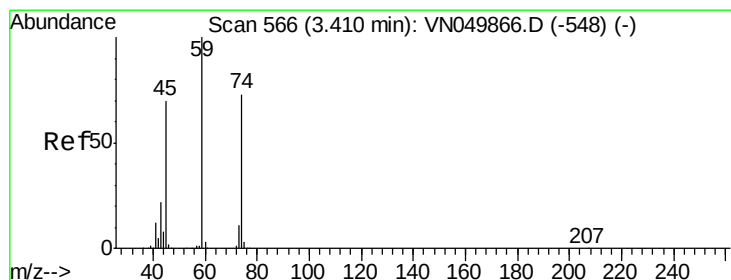
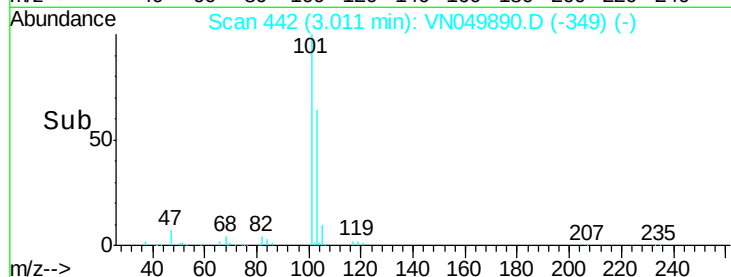
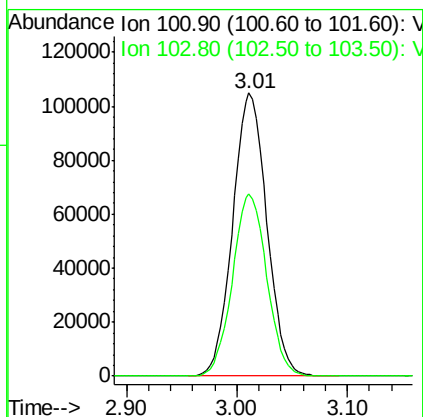
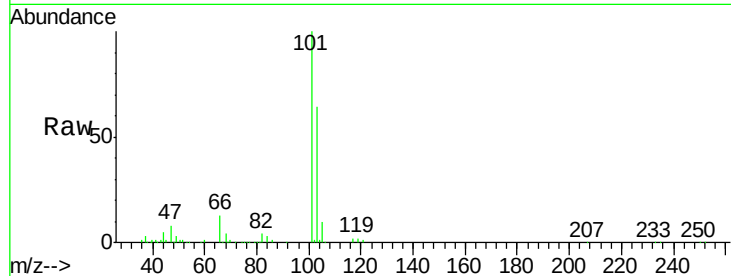
Trichlorofluoromethane
 Concen: 19.10 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

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 VN0718WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.8	79.2

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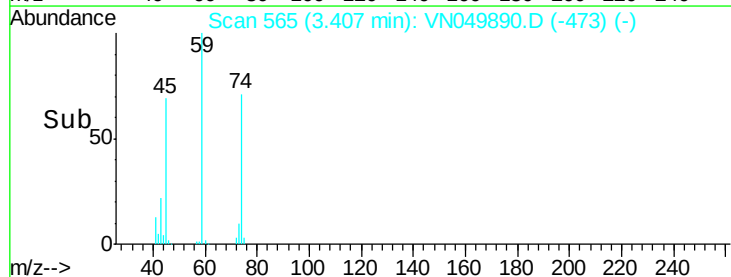
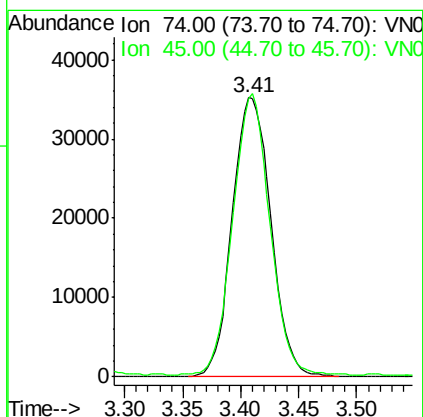
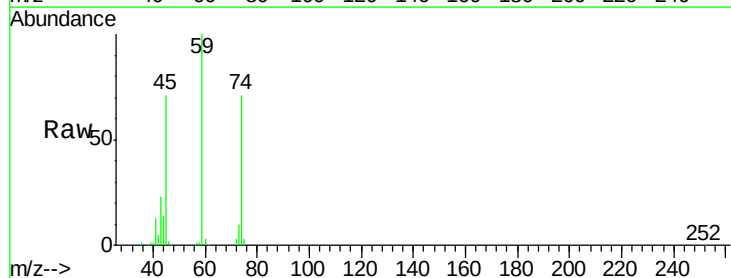
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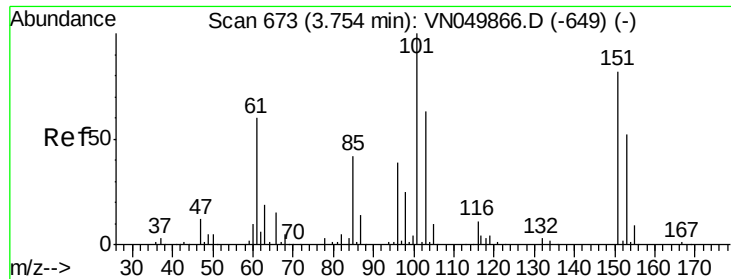


#8

Diethyl Ether
 Concen: 19.97 ug/l
 RT: 3.41 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	48.4	145.2





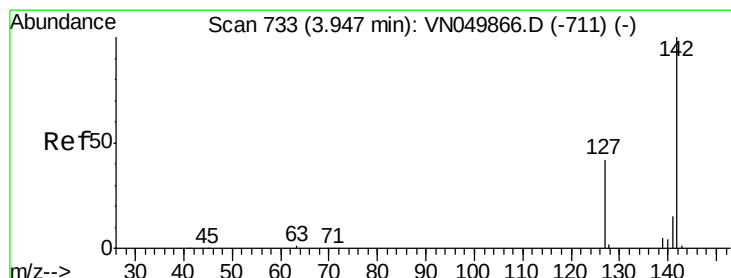
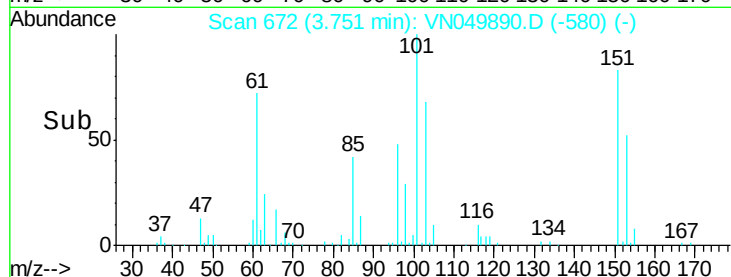
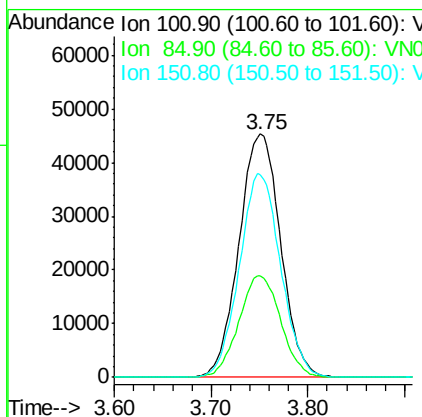
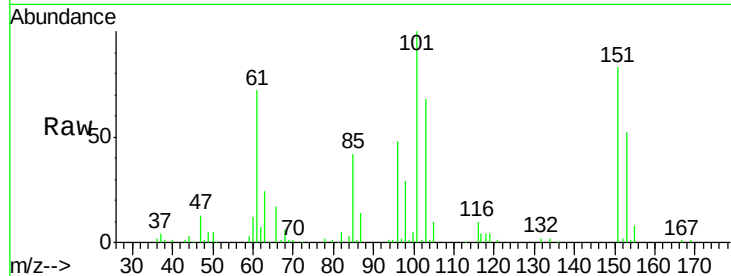
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.70 ug/l
RT: 3.75 min Scan# 672
Delta R.T. -0.00 min
Lab File: VN049890.D
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Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	135607		
85	41.9		34.4	51.6
151	83.0		66.2	99.4

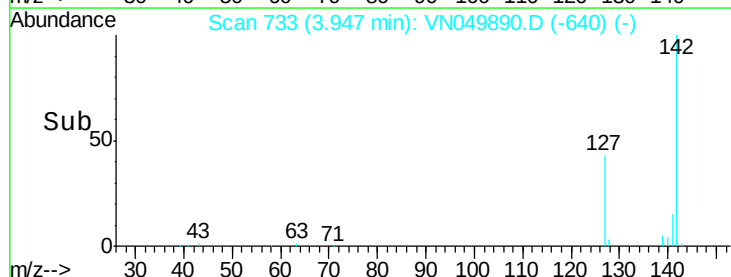
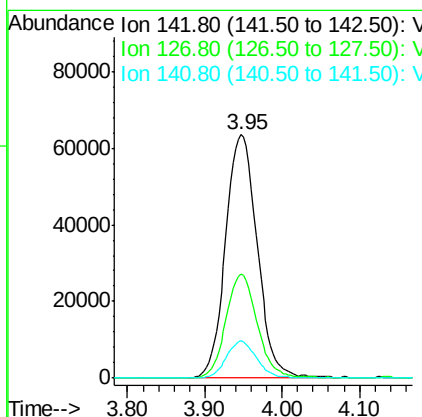
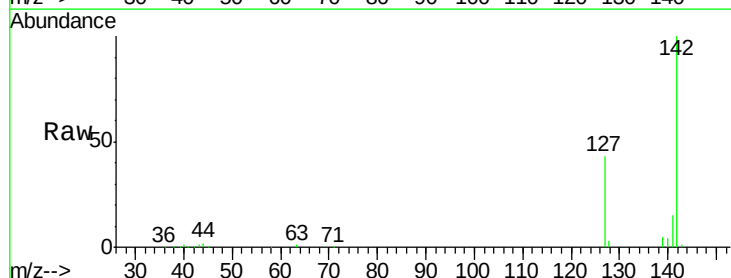
Manual Integrations
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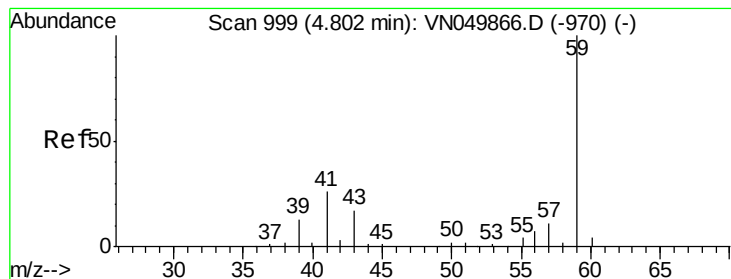
apatel
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#10
Methyl Iodide
Concen: 18.58 ug/l
RT: 3.95 min Scan# 733
Delta R.T. -0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	180686		
127	42.1		32.5	48.7
141	14.5		11.1	16.7





#11

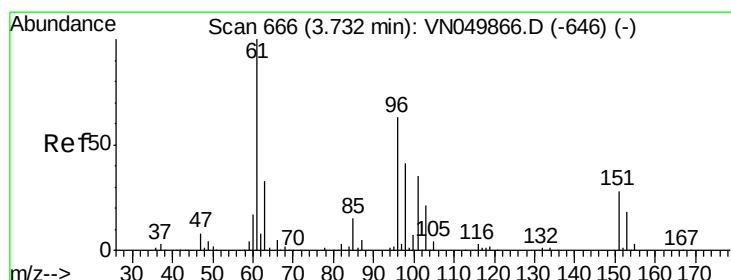
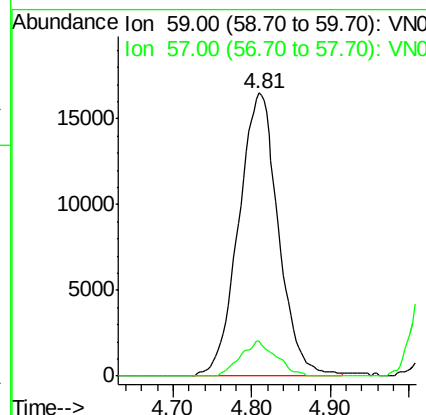
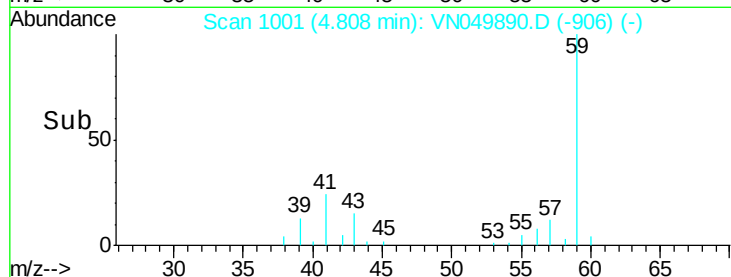
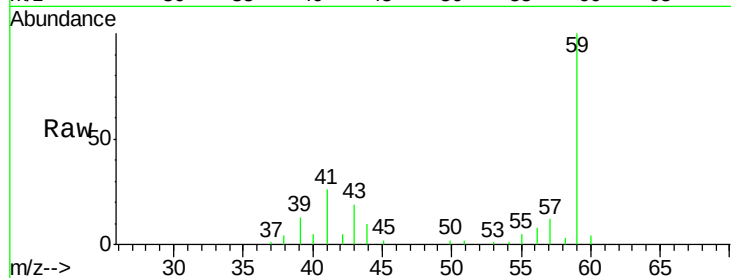
Tert butyl alcohol
 Concen: 101.78 ug/l
 RT: 4.81 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	58550		
57	11.1		8.5	12.7

Manual Integrations
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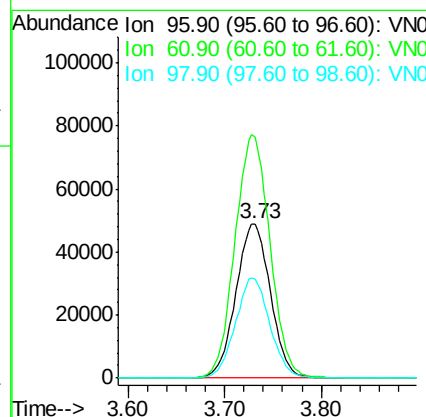
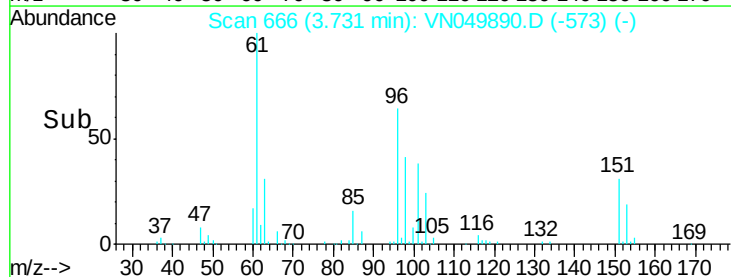
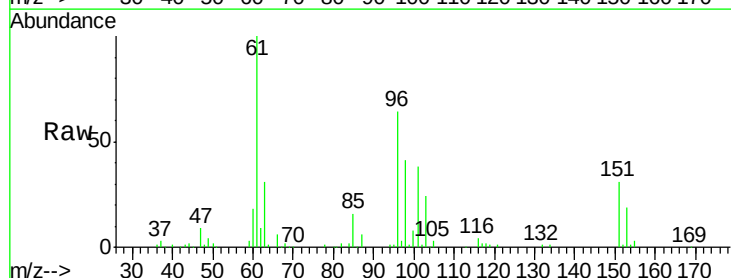
apatel
 7/19/2018 4:30:33 PM

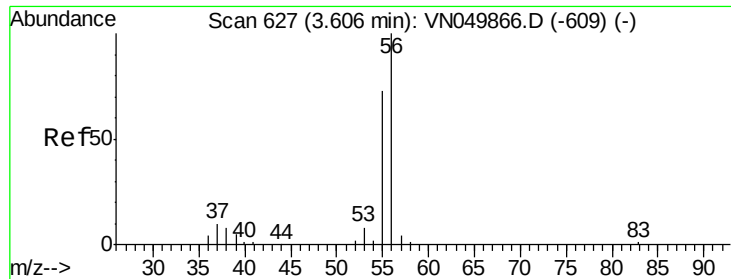


#12

1,1-Dichloroethene
 Concen: 19.11 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	121698		
61	156.1		126.5	189.7
98	63.9		51.0	76.6





#13

Acrolein

Concen: 89.41 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD02

Tot Ion: 56 Resp: 33143

Ion Ratio Lower Upper

56 100

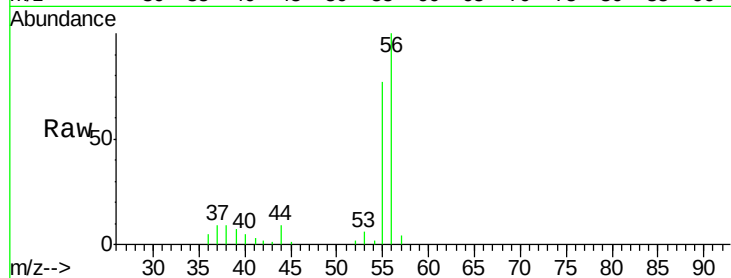
55 77.4 55.8 83.8

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN049866.D (-609) (-)

Ion 55.00 (54.70 to 55.70): VN049866.D (-609) (-)

3.61

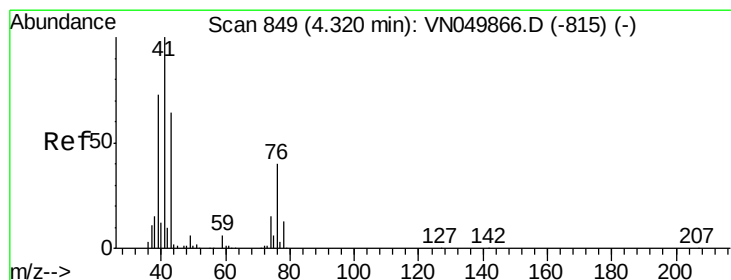
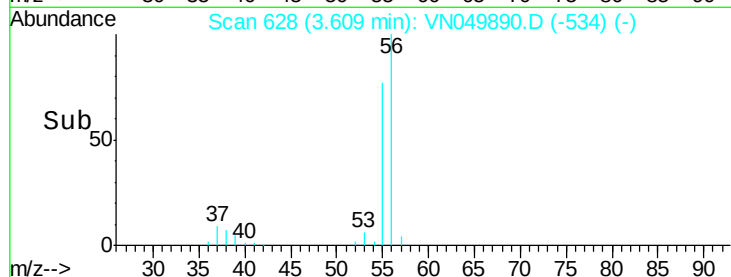
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 19.32 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

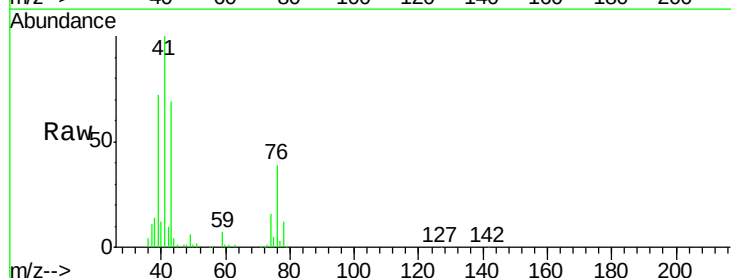
Tgt Ion: 41 Resp: 193963

Ion Ratio Lower Upper

41 100

39 68.2 53.2 79.8

76 36.3 29.0 43.6



Abundance Ion 41.00 (40.70 to 41.70): VN049866.D (-815) (-)

Ion 39.00 (38.70 to 39.70): VN049866.D (-815) (-)

Ion 75.90 (75.60 to 76.60): VN049866.D (-815) (-)

4.32

80000

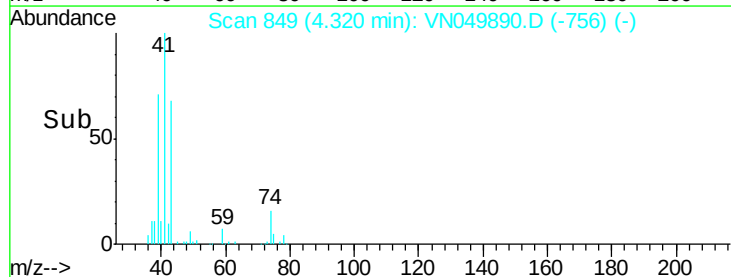
60000

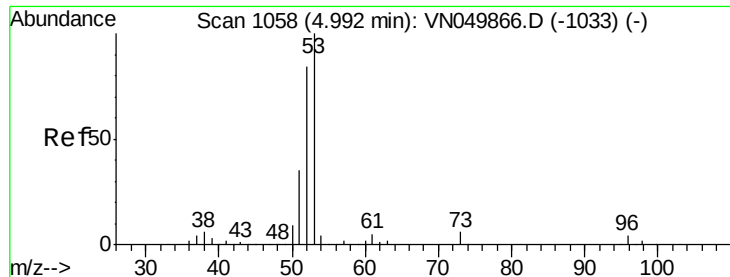
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 104.06 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Instrument :

MSVOA_N

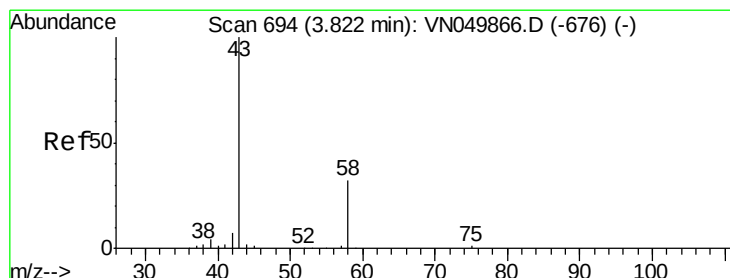
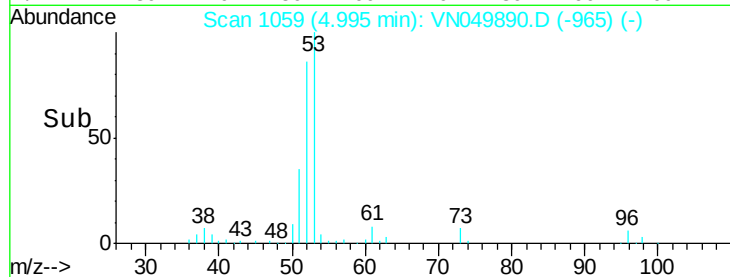
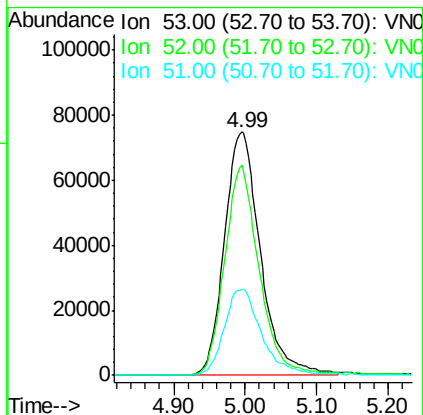
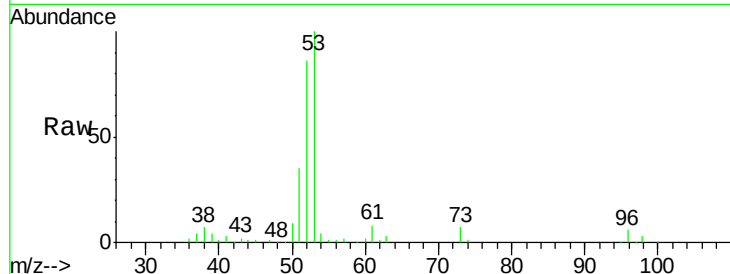
ClientSampleId :

VN0718WBSD02

Tot Ion:	53	Resp:	263262
Ion	Ratio	Lower	Upper
53	100		
52	82.1	64.8	97.2
51	36.4	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 92.62 ug/l

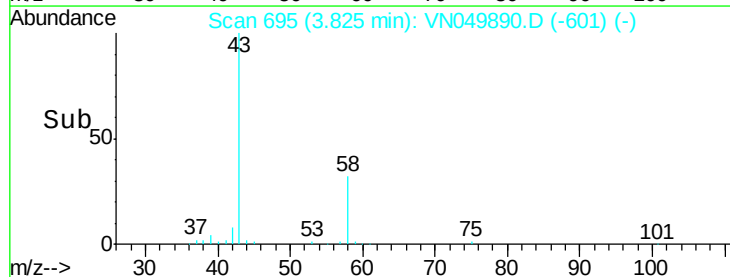
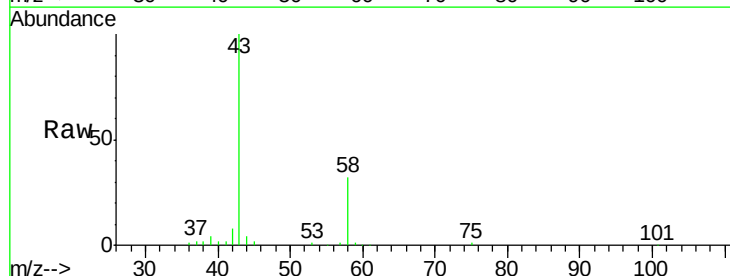
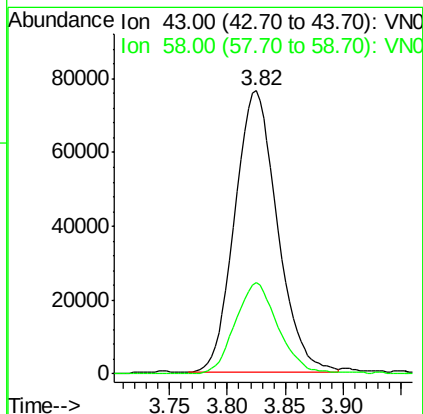
RT: 3.82 min Scan# 695

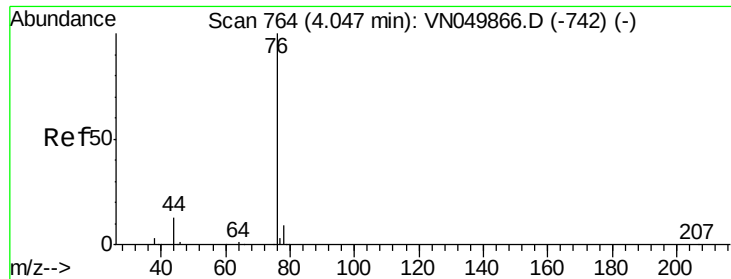
Delta R.T. 0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Tgt Ion:	43	Resp:	193634
Ion	Ratio	Lower	Upper
43	100		
58	32.3	25.9	38.9





#17

Carbon Disulfide

Concen: 18.31 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD02

Tot Ion: 76 Resp: 348963

Ion Ratio Lower Upper

76 100

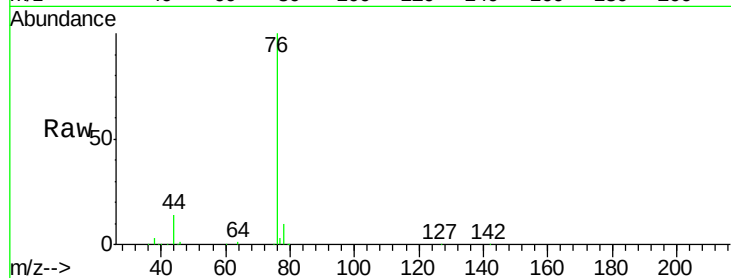
78 9.8 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

150000

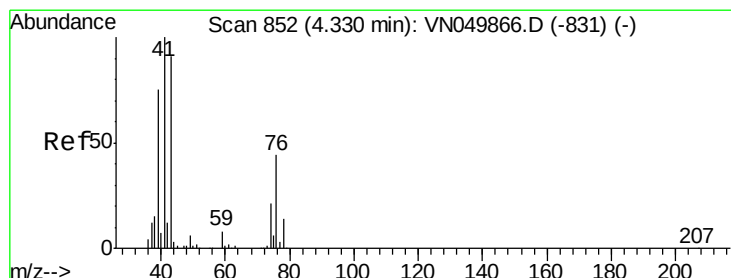
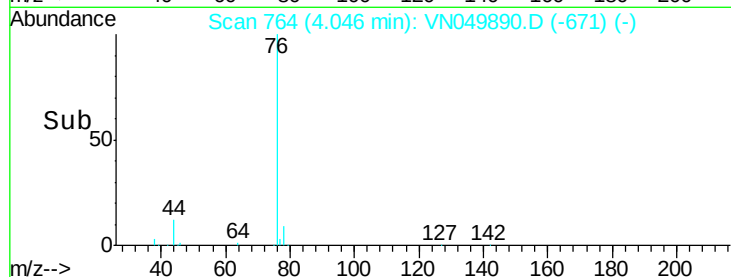
4.05

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 22.50 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049890.D

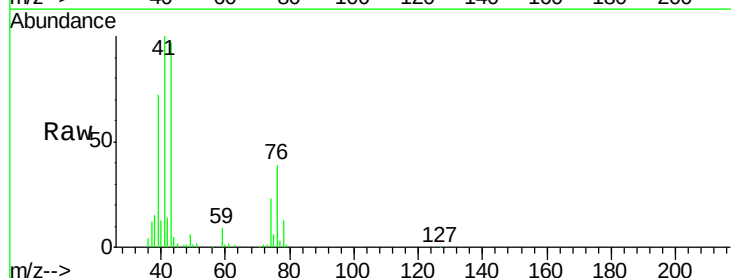
Acq: 18 Jul 2018 23:41

Tgt Ion: 43 Resp: 150804

Ion Ratio Lower Upper

43 100

74 24.8 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

60000

4.33

50000

40000

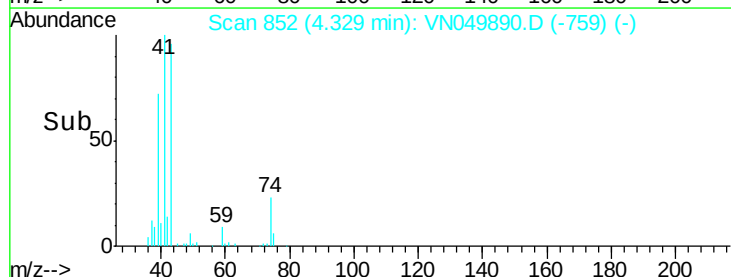
30000

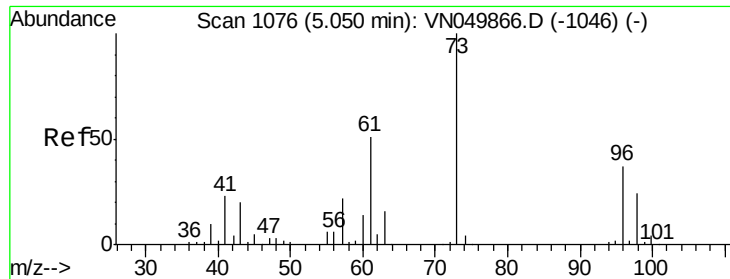
20000

10000

0

Time--> 4.20 4.30 4.40





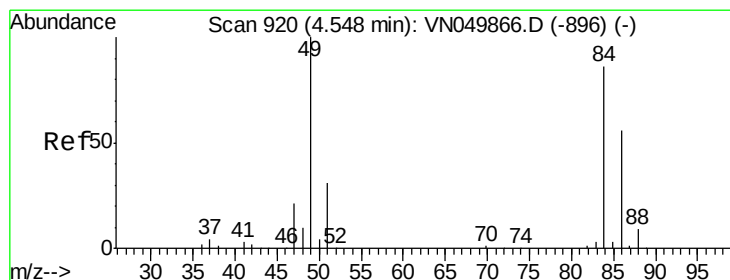
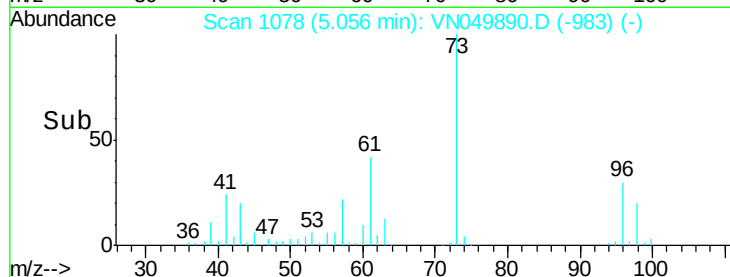
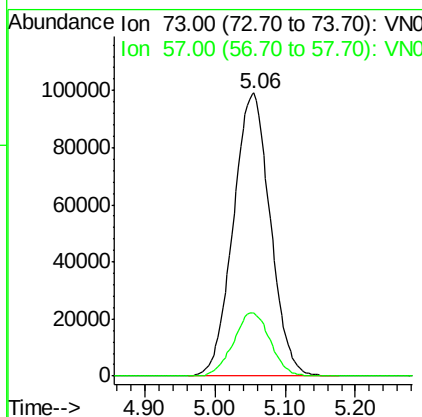
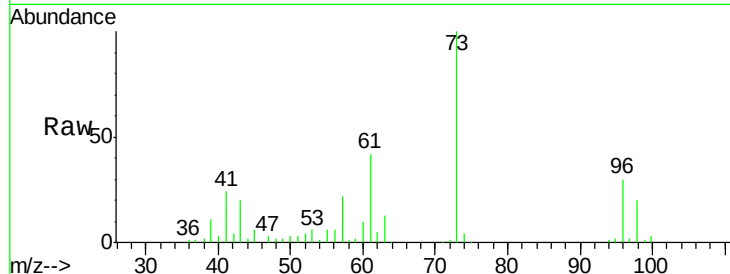
#19
Methyl tert-butyl Ether
Concen: 20.66 ug/l
RT: 5.06 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02

Tot Ion: 73 Resp: 362082
Ion Ratio Lower Upper
73 100
57 22.2 18.1 27.1

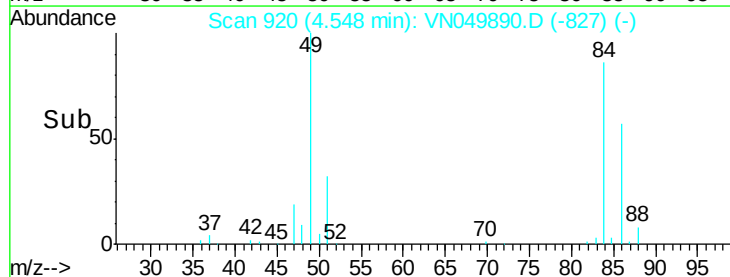
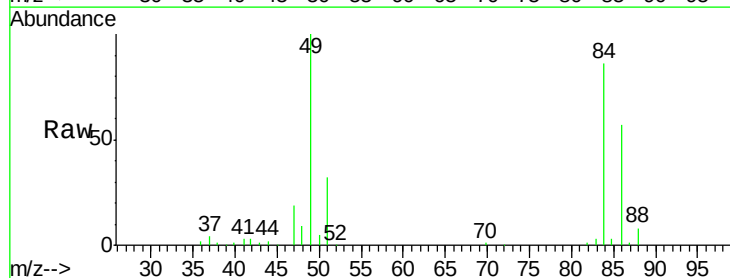
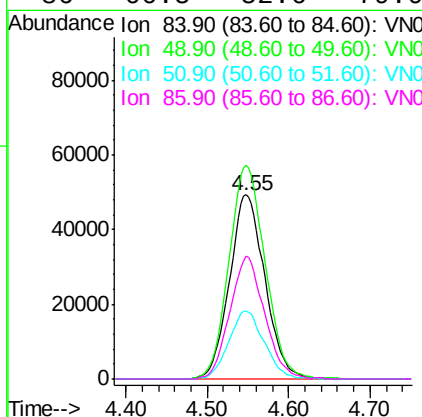
Manual Integrations
APPROVED

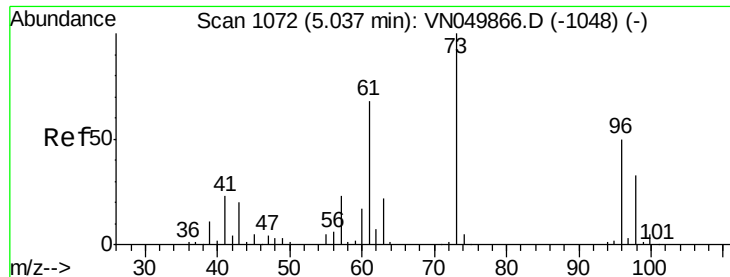
apatel
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#20
Methylene Chloride
Concen: 18.78 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Tgt Ion: 84 Resp: 149313
Ion Ratio Lower Upper
84 100
49 116.0 95.4 143.2
51 36.9 28.4 42.6
86 66.5 52.6 79.0





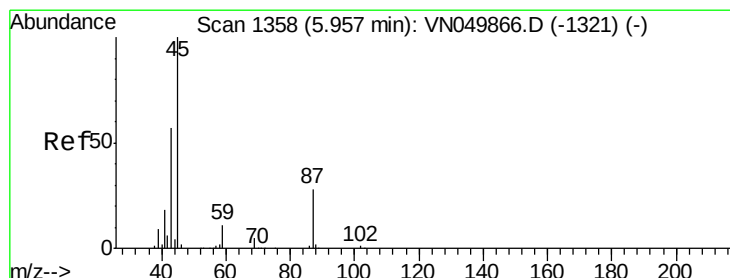
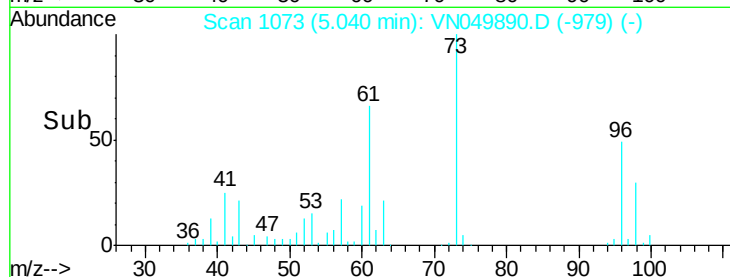
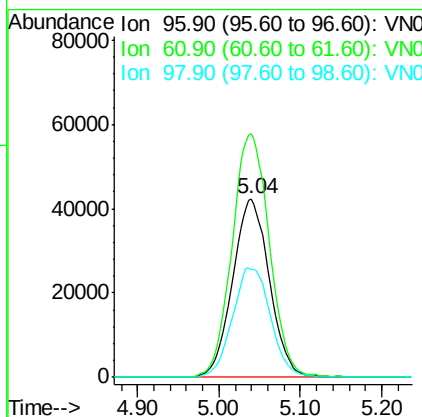
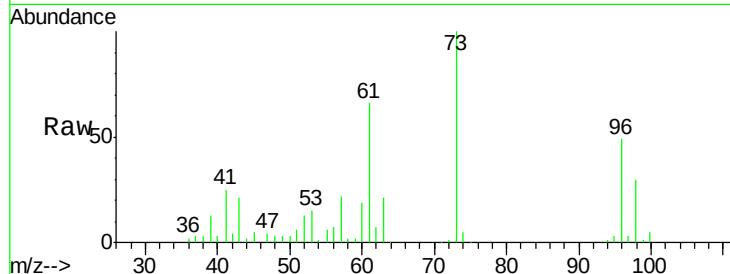
#21
trans-1,2-Dichloroethene
Concen: 19.55 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.2	109.0	163.6
98	60.6	51.1	76.7

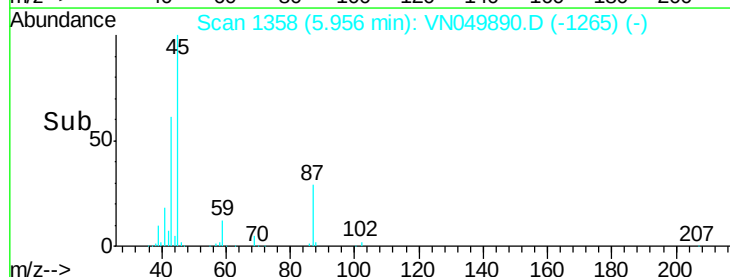
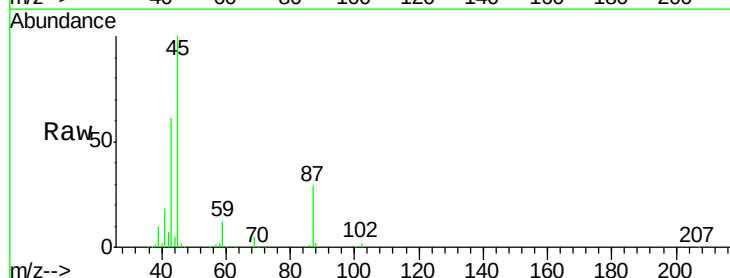
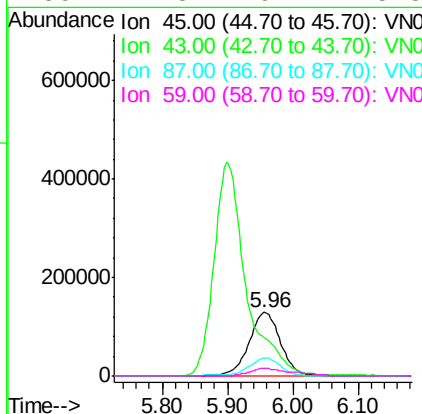
Manual Integrations
APPROVED

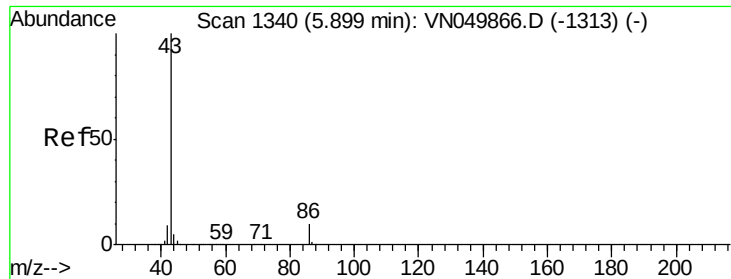
apatel
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#22
Diisopropyl ether
Concen: 21.27 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.4	48.1	72.1
87	28.6	22.6	34.0
59	11.8	9.2	13.8





#23

Vinyl Acetate

Concen: 103.40 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Instrument :

MSVOA_N

ClientSampleID :

VN0718WBSD02

Tot Ion: 43 Resp: 1486533

Ion Ratio Lower Upper

43 100

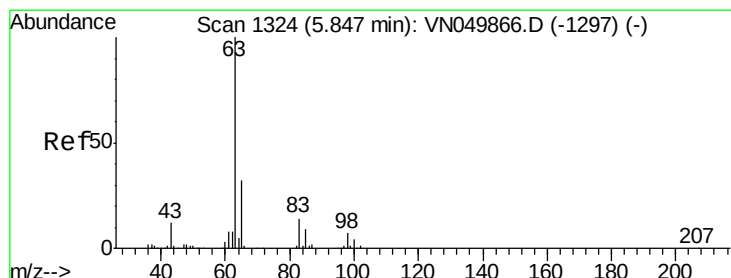
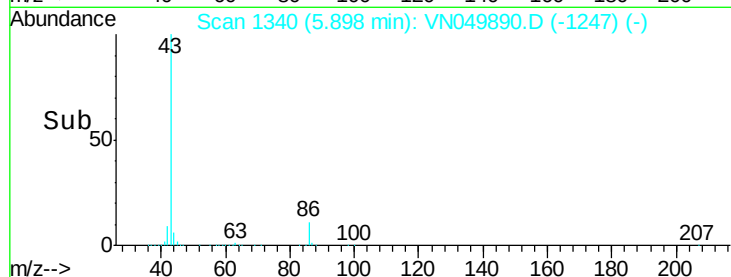
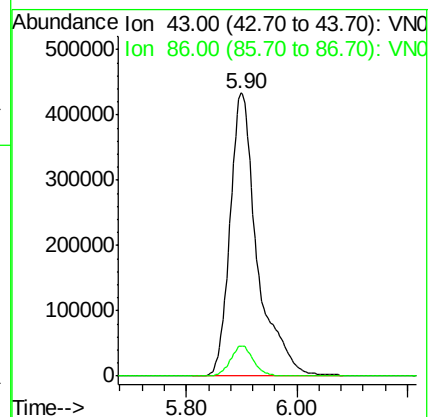
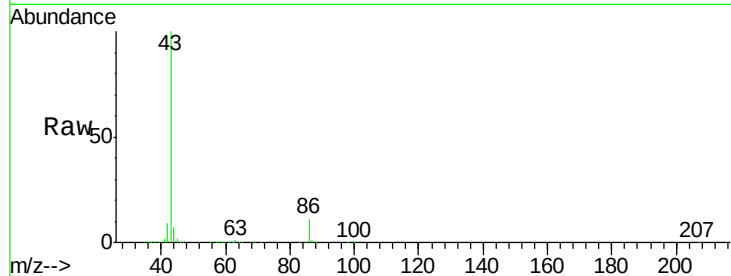
86 10.8 8.4 12.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.11 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

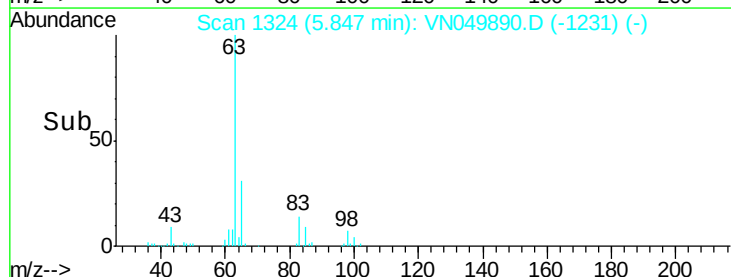
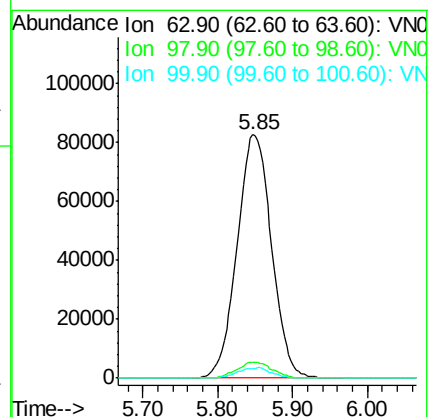
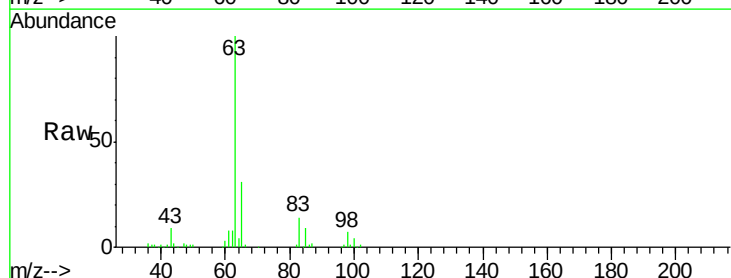
Tgt Ion: 63 Resp: 264557

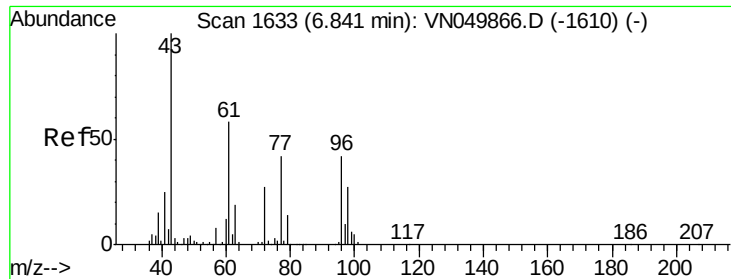
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 3.9 2.2 6.6





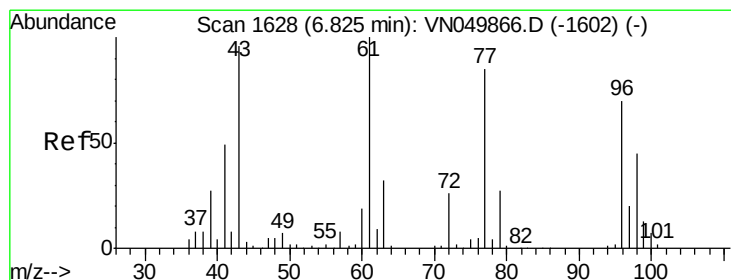
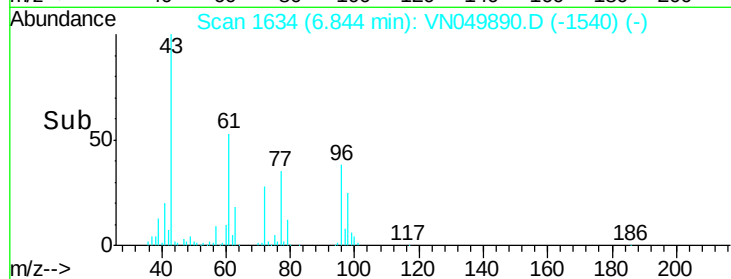
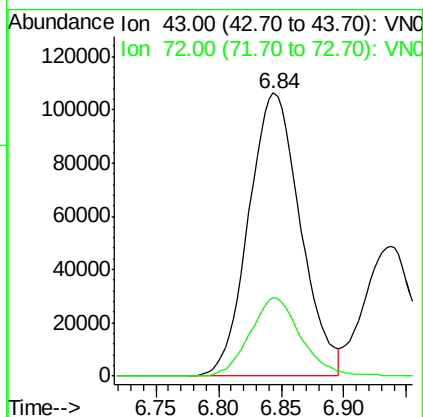
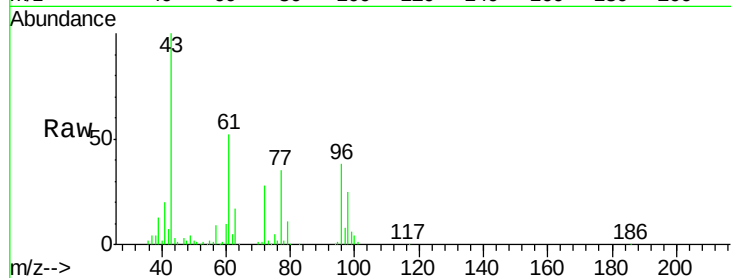
#25
2-Butanone
Concen: 101.39 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02

Tot Ion: 43 Resp: 302957
Ion Ratio Lower Upper
43 100
72 27.8 22.1 33.1

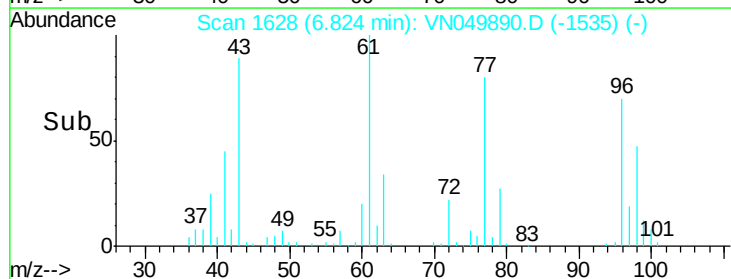
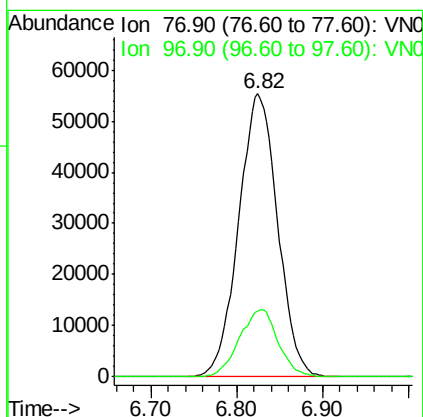
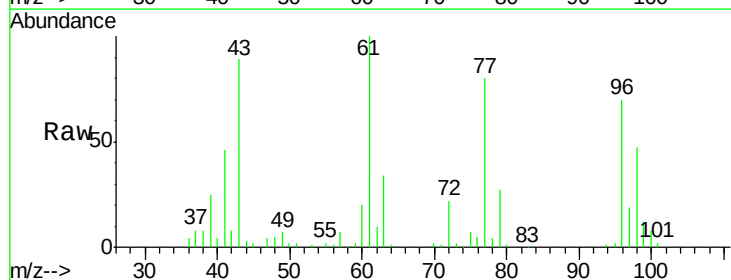
Manual Integrations
APPROVED

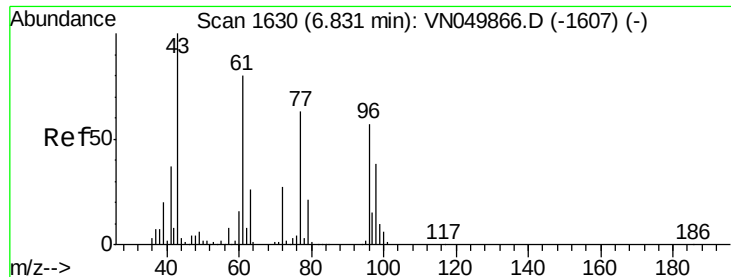
apatel
7/19/2018 4:30:33 PM



#26
2,2-Dichloropropane
Concen: 17.02 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Tgt Ion: 77 Resp: 174155
Ion Ratio Lower Upper
77 100
97 23.7 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 20.39 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Instrument :

MSVOA_N

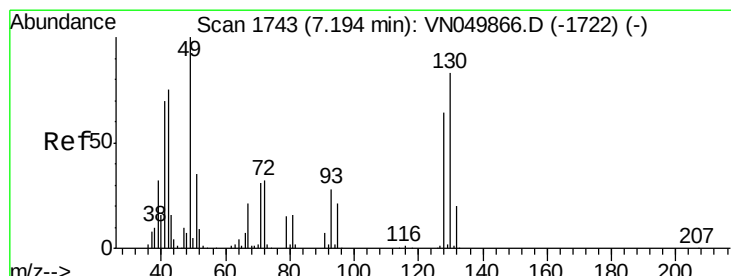
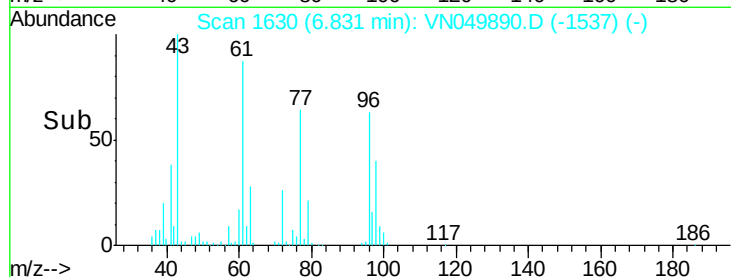
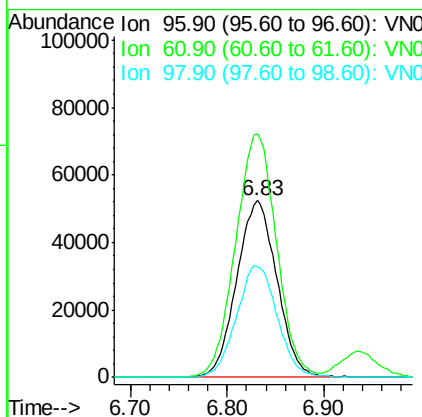
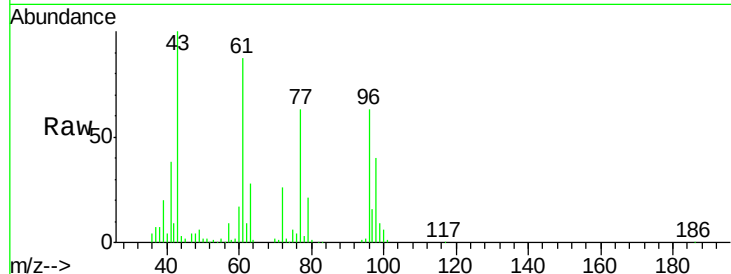
ClientSampleId :

VN0718WBSD02

Tot Ion:	96	Resp:	151342
Ion Ratio	Lower	Upper	
96	100		
61	140.0	0.0	289.0
98	64.1	0.0	130.2

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#28

Bromochloromethane

Concen: 19.68 ug/l

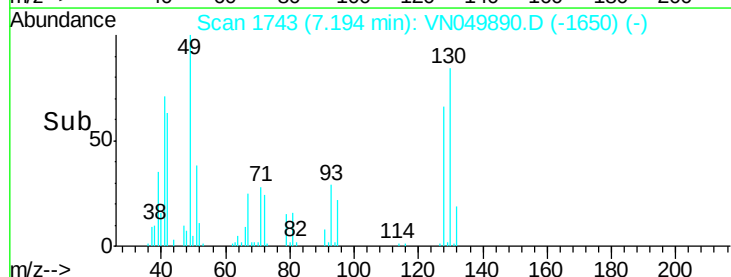
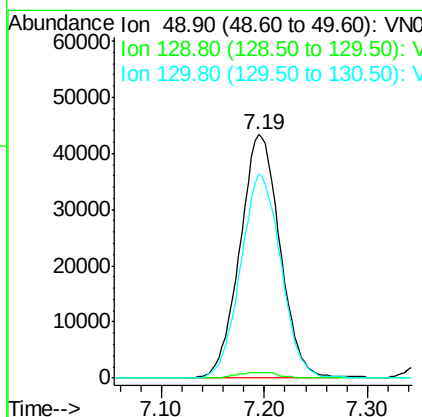
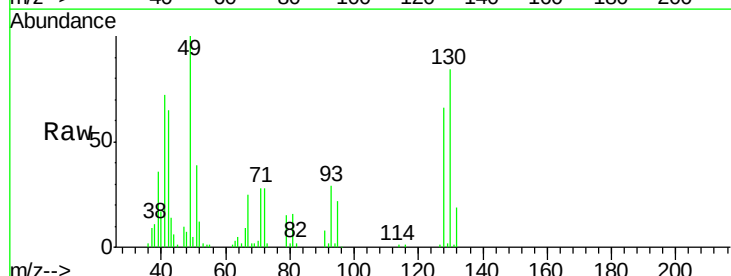
RT: 7.19 min Scan# 1743

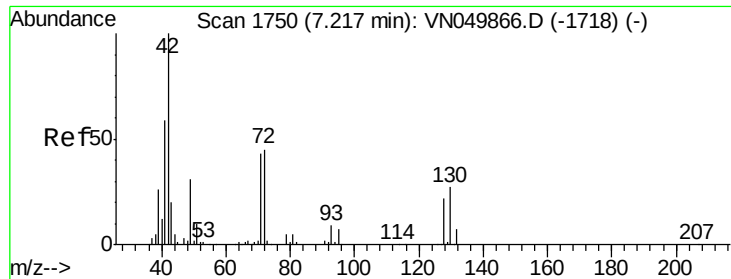
Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Tgt Ion:	49	Resp:	116927
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	4.2
130	83.9	65.5	98.3





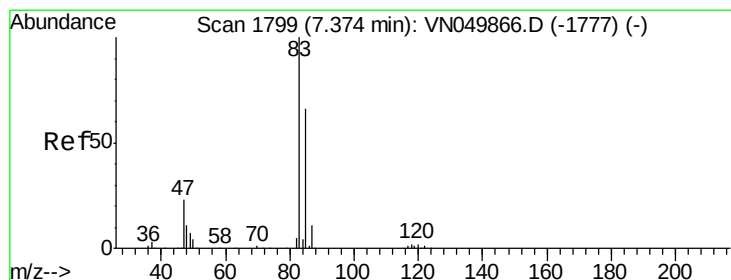
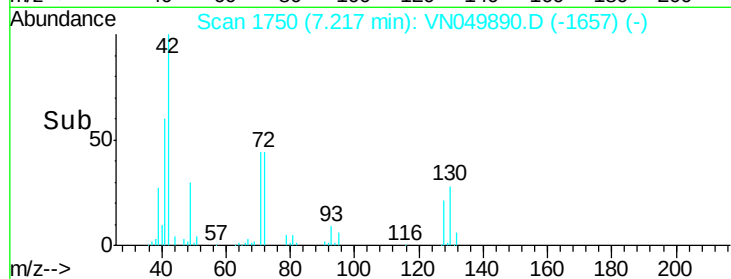
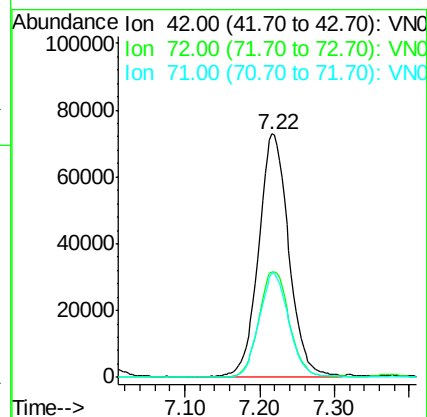
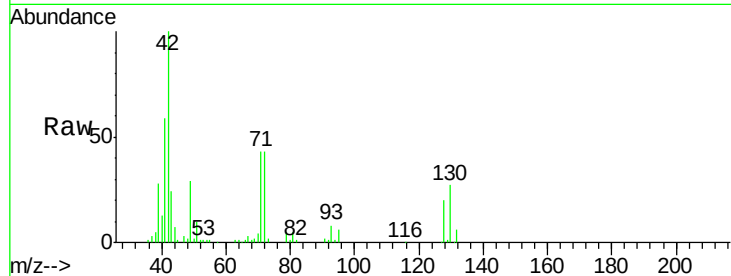
#29
Tetrahydrofuran
Concen: 108.52 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.6	53.4
71	42.2	34.0	51.0

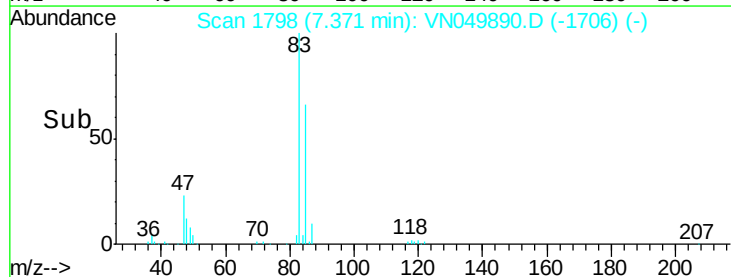
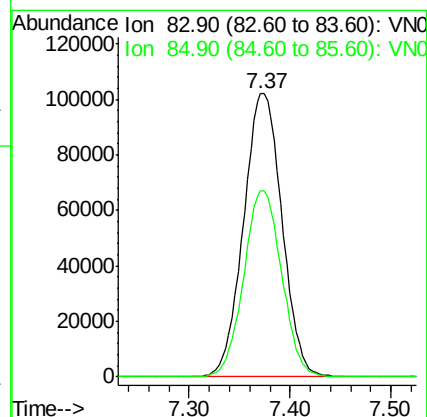
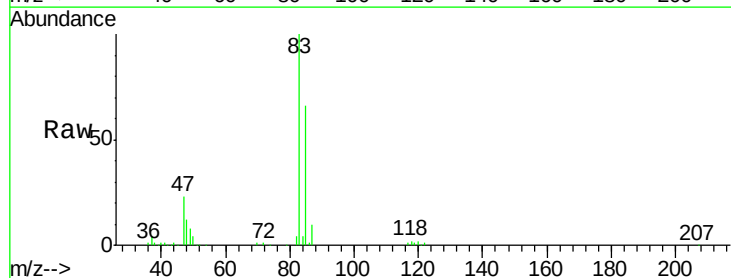
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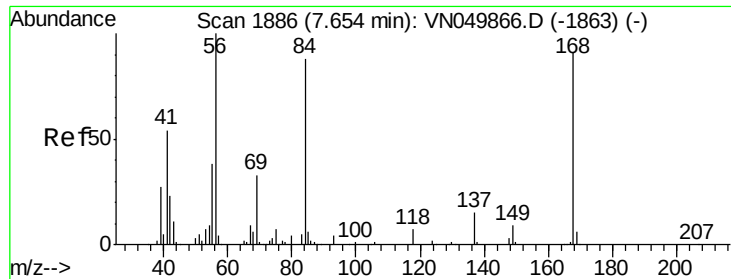
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#30
Chloroform
Concen: 19.98 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.4	77.2





#31

Cyclohexane

Concen: 19.68 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Instrument :

MSVOA_N

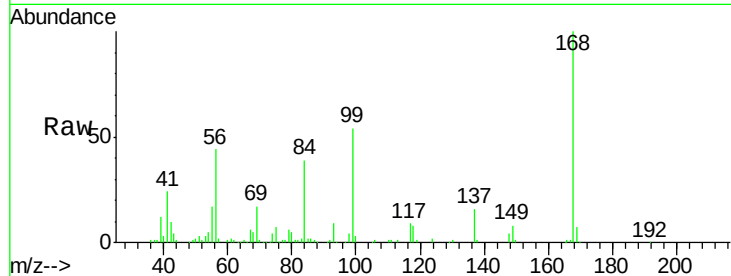
ClientSampleId :

VN0718WBSD02

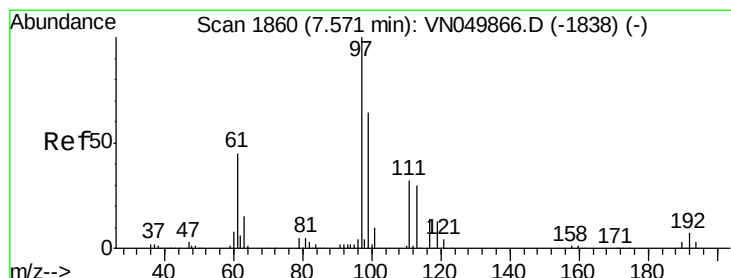
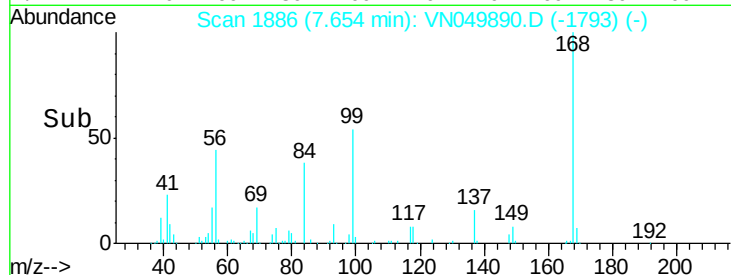
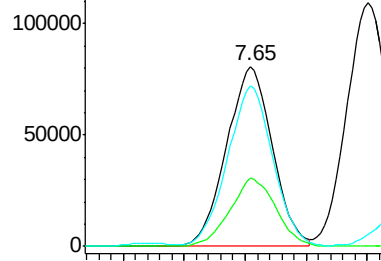
Tot Ion:	56	Resp:	210696
Ion Ratio	Lower	Upper	
56	100		
69	37.8	26.6	40.0
84	87.3	69.0	103.6

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.57 ug/l

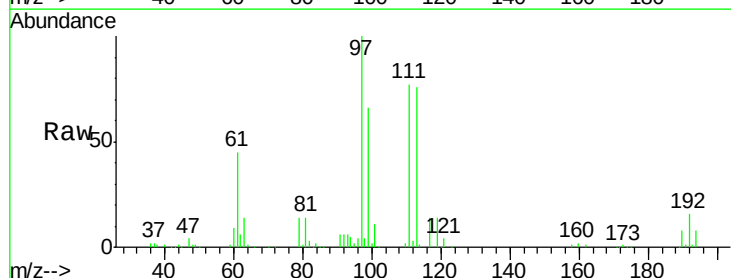
RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

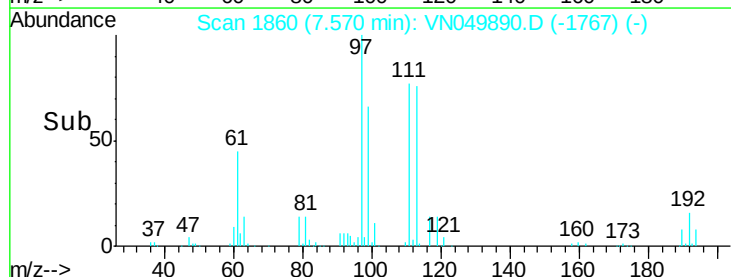
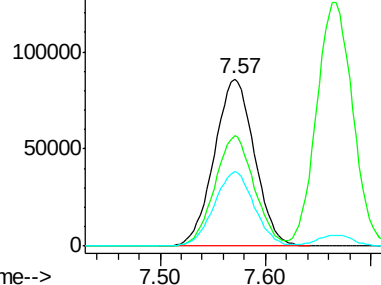
Lab File: VN049890.D

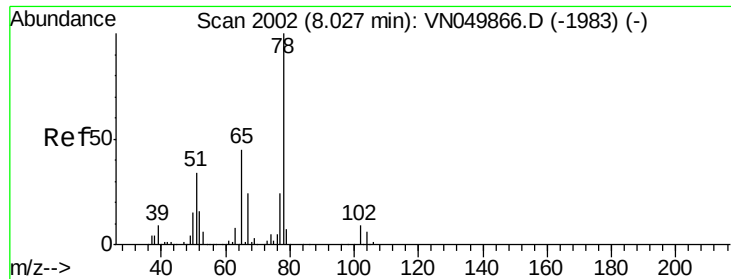
Acq: 18 Jul 2018 23:41

Tgt Ion:	97	Resp:	228371
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.0	76.4
61	44.2	35.5	53.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





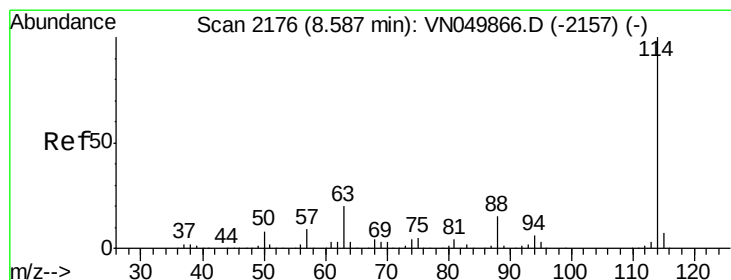
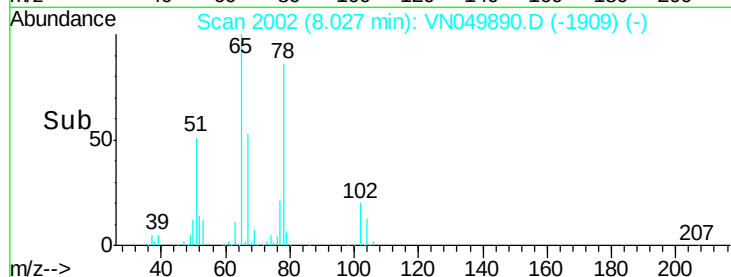
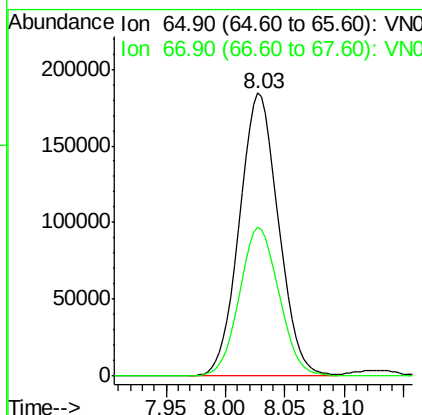
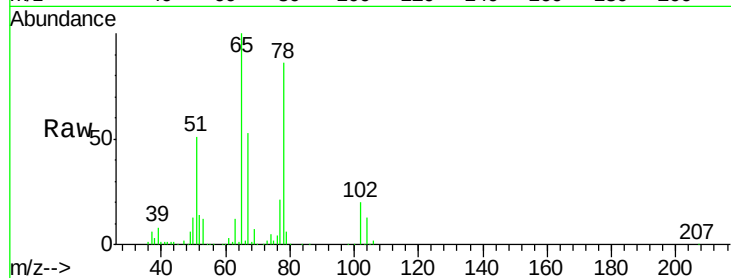
#33
 1,2-Dichloroethane-d4
 Concen: 52.06 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.3	0.0	107.2	

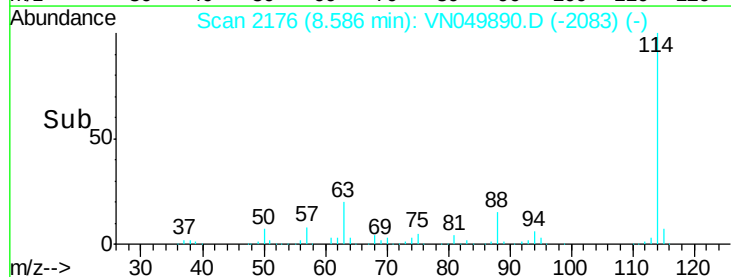
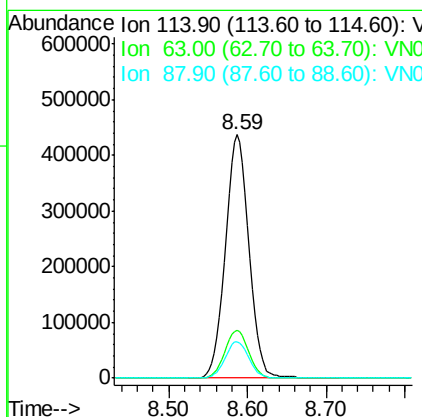
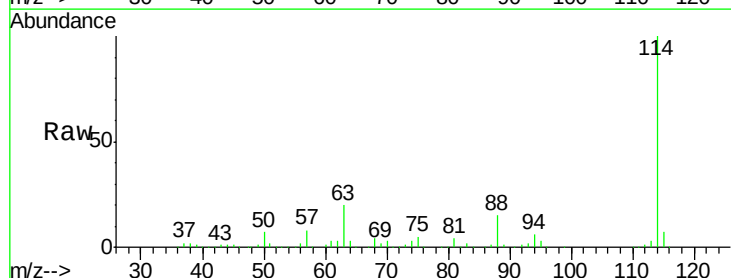
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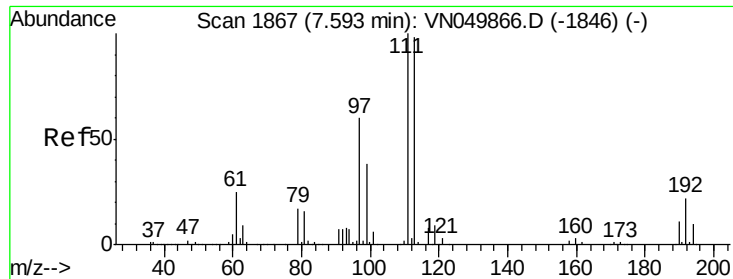
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	39.8	
88	15.1	0.0	30.6	





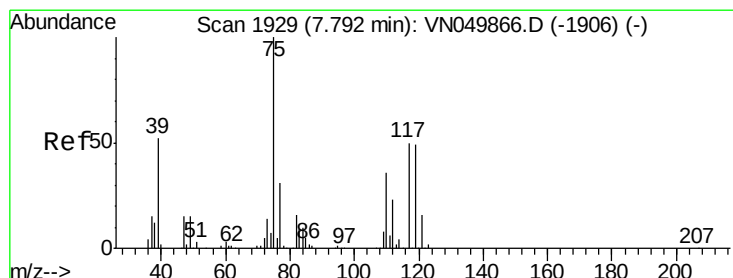
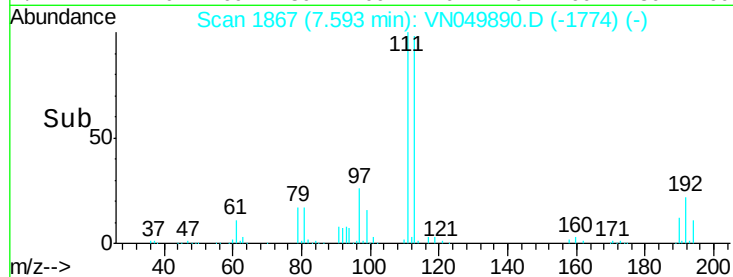
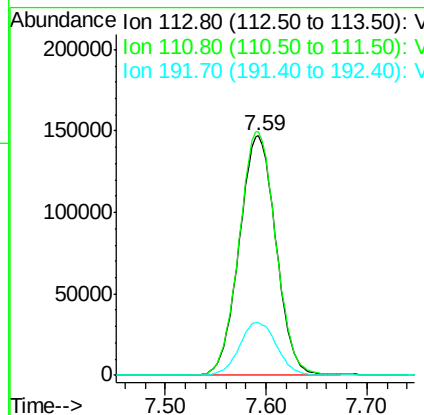
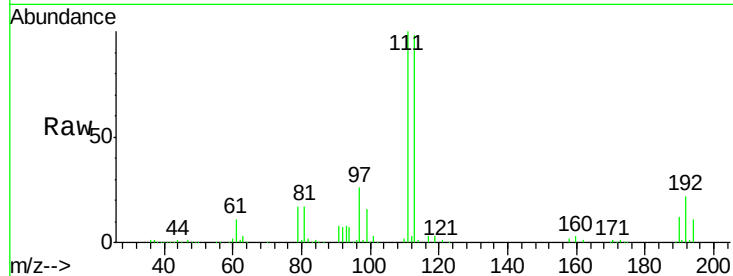
#35
 Dibromofluoromethane
 Concen: 49.20 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	370427		
111	102.3	81.8	122.8	
192	22.5	17.8	26.6	

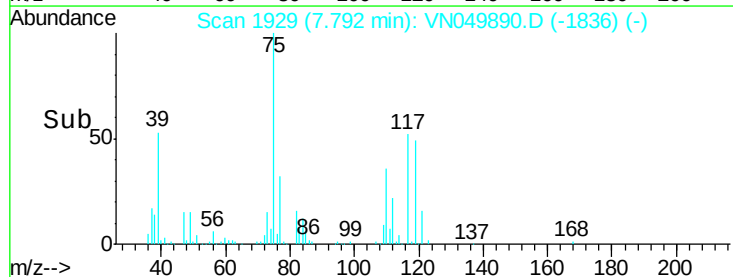
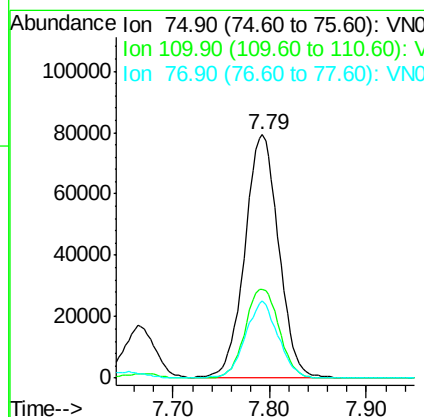
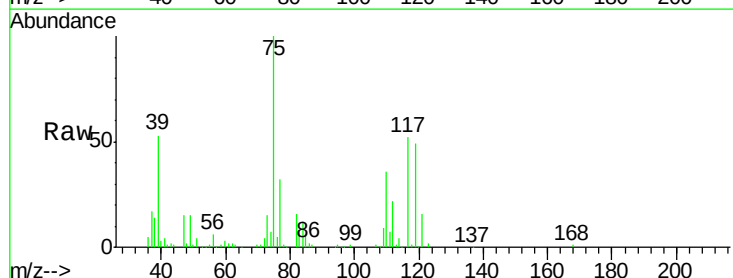
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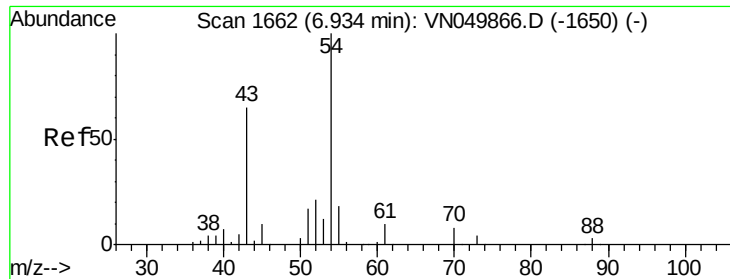
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#36
 1,1-Dichloropropene
 Concen: 19.22 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	191679		
110	37.0	18.1	54.4	
77	30.8	24.9	37.3	





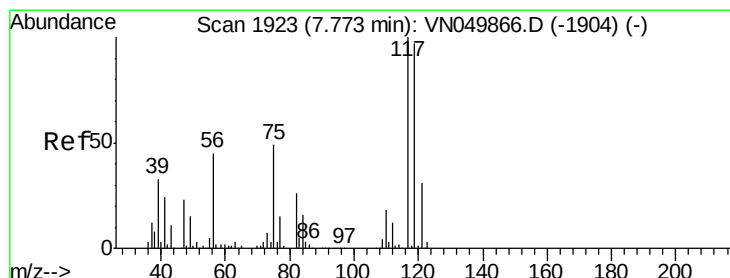
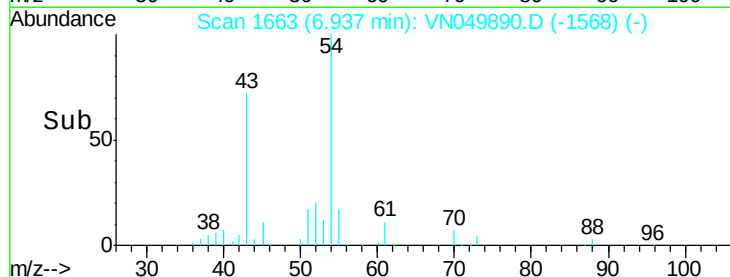
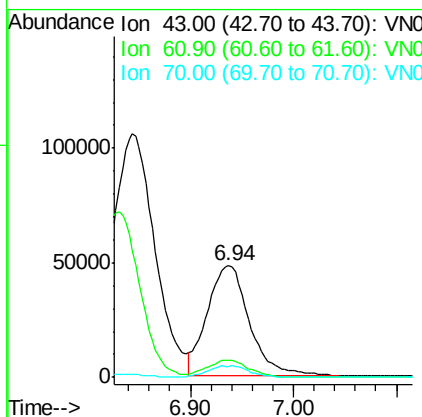
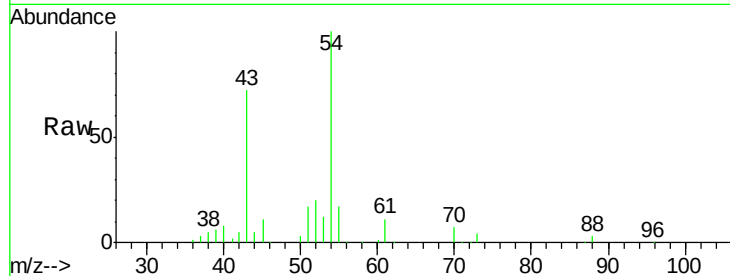
#37
Ethyl Acetate
Concen: 19.96 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02

Tot Ion	43	61	70	Resp	Lower	Upper
136701	100	14.9	10.3			
		11.7	8.4			
		17.5	12.6			

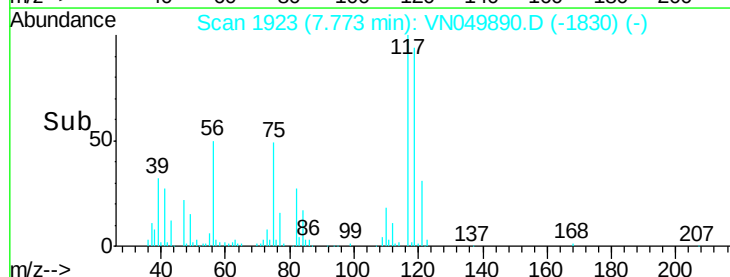
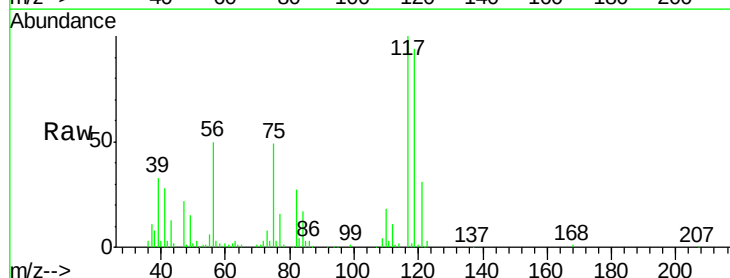
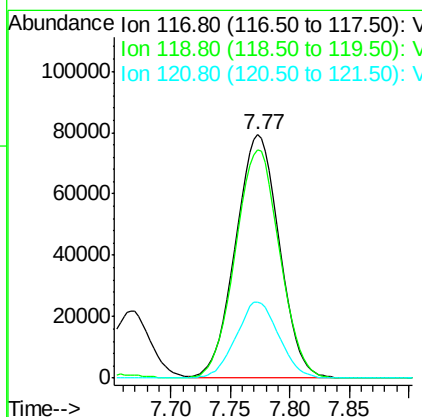
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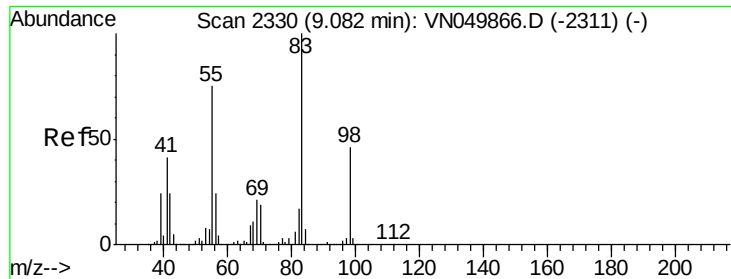
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#38
Carbon Tetrachloride
Concen: 18.83 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Tgt Ion	117	119	121	Resp	Lower	Upper
201123	100	94.1	31.2			
		77.2	25.0			
		115.8	37.6			





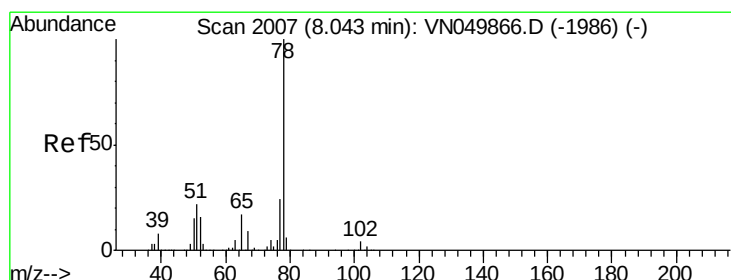
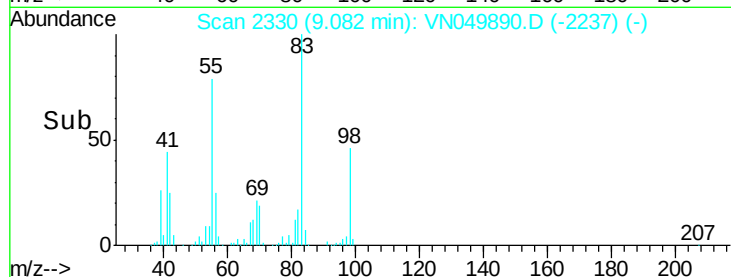
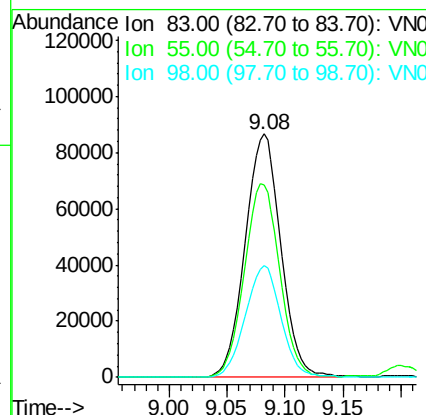
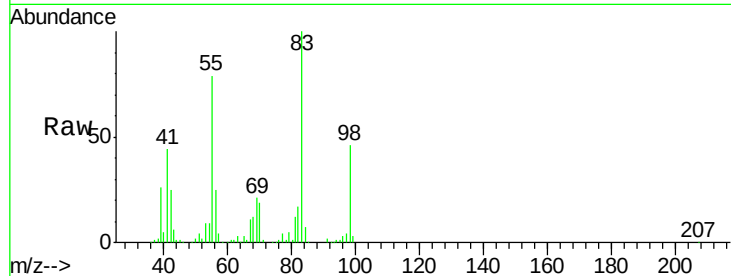
#39
Methylvlcyclohexane
Concen: 18.04 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02

Tot Ion	83	Resp	185850
Ion Ratio	Lower	Upper	
83	100		
55	79.1	59.7	89.5
98	45.9	36.5	54.7

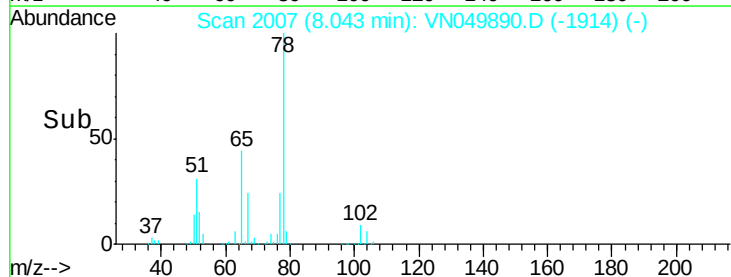
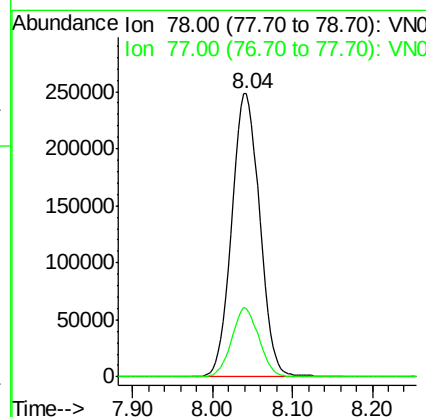
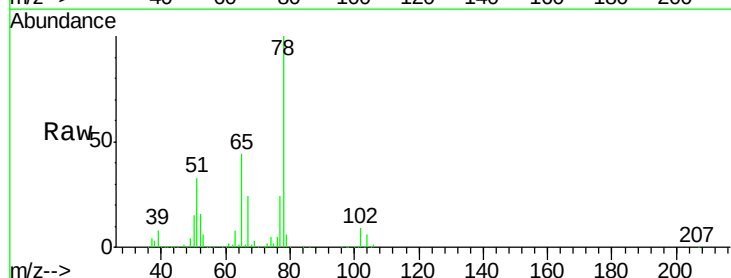
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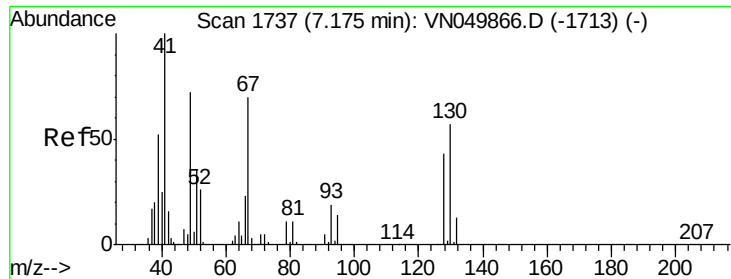
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#40
Benzene
Concen: 19.42 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Tgt Ion	78	Resp	590093
Ion Ratio	Lower	Upper	
78	100		
77	24.2	19.0	28.4





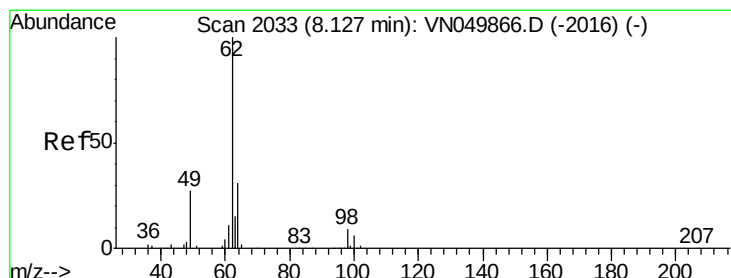
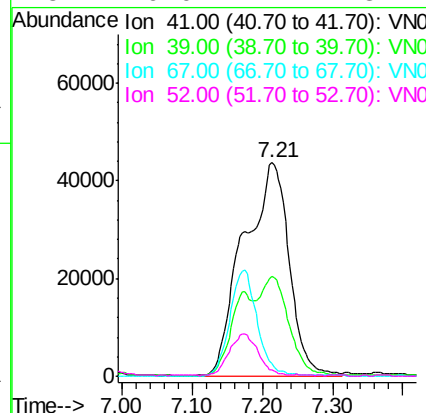
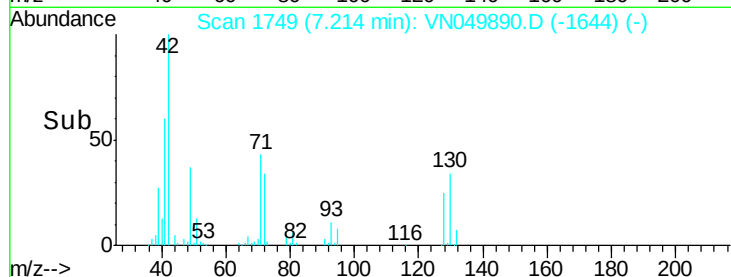
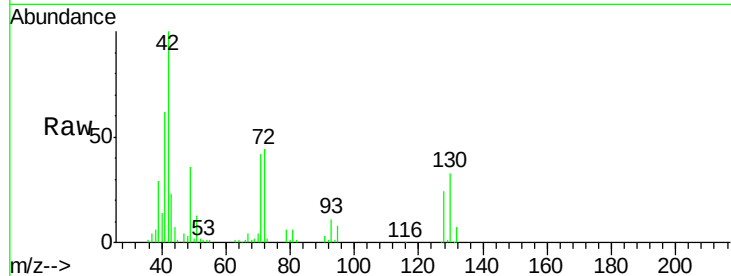
#41
Methacrylonitrile
Concen: 57.67 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.04 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02

Tot Ion	Ratio	Resp Lower	Upper
41	100		
39	0.0	45.4	68.2#
67	0.0	65.4	98.0#
52	0.0	24.7	37.1#

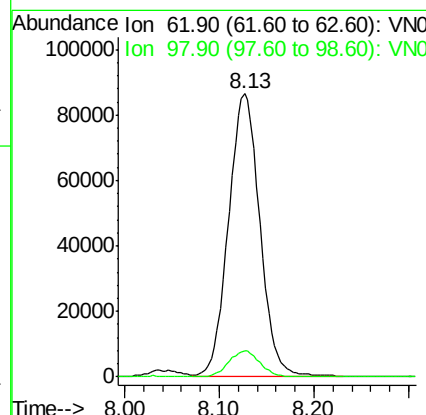
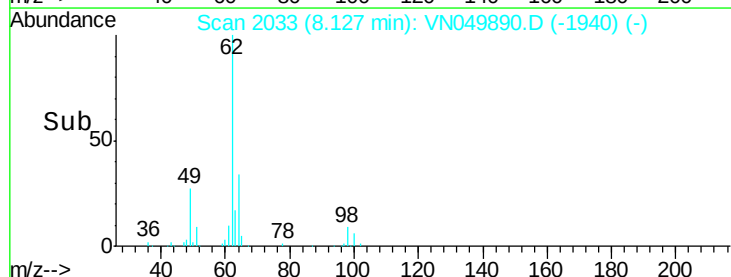
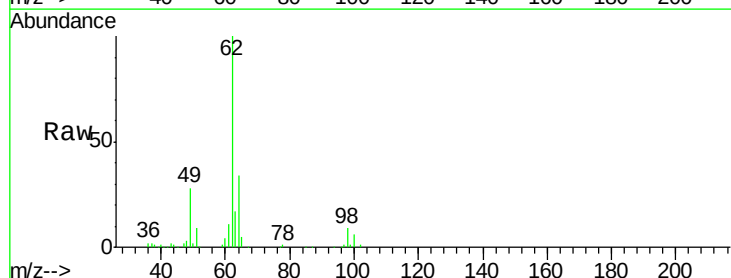
Manual Integrations
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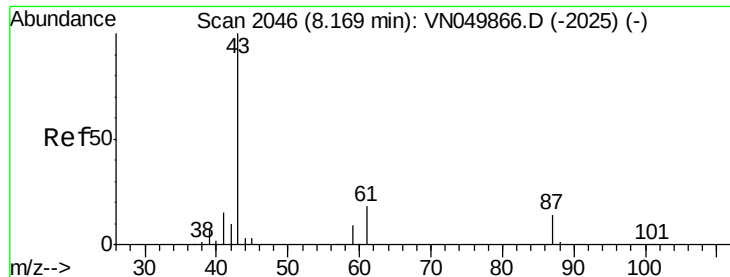
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#42
1,2-Dichloroethane
Concen: 19.70 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Tgt Ion	Ratio	Resp Lower	Upper
62	100		
98	9.2	0.0	19.0





#43

Isopropyl Acetate

Concen: 22.18 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Instrument :

MSVOA_N

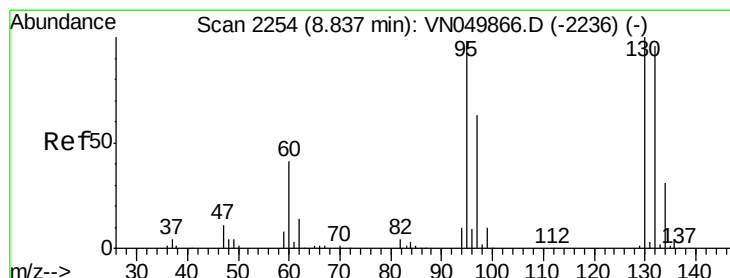
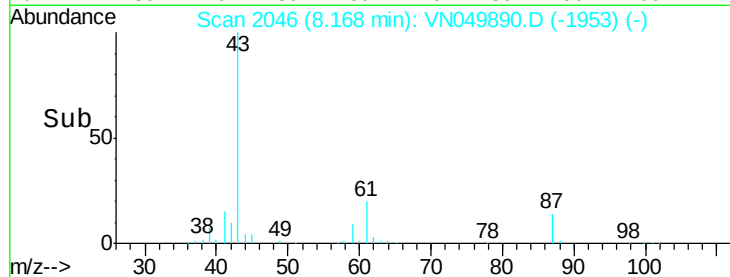
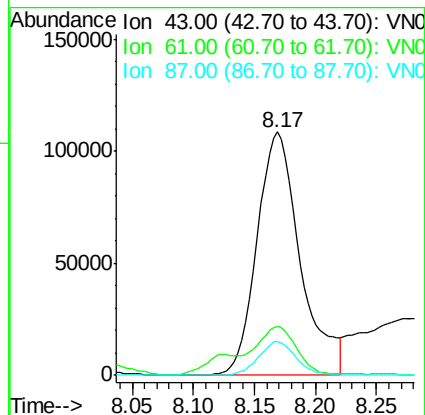
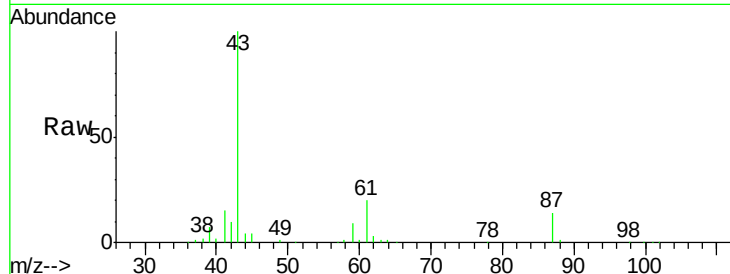
ClientSampleId :

VN0718WBSD02

Tot Ion:	43	Resp:	265330
Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.9	22.3
87	12.1	10.0	15.0

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#44

Trichloroethene

Concen: 19.11 ug/l

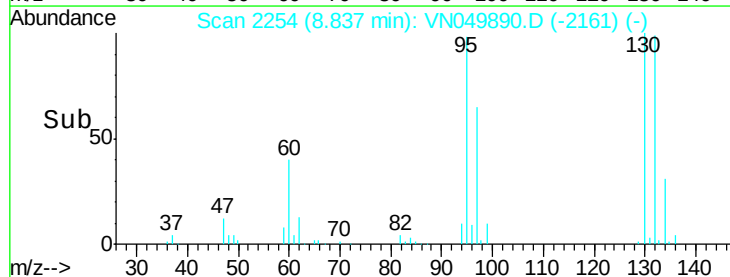
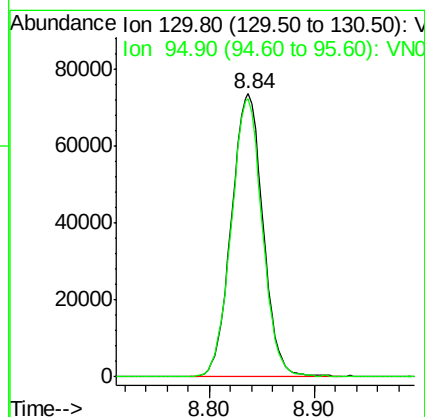
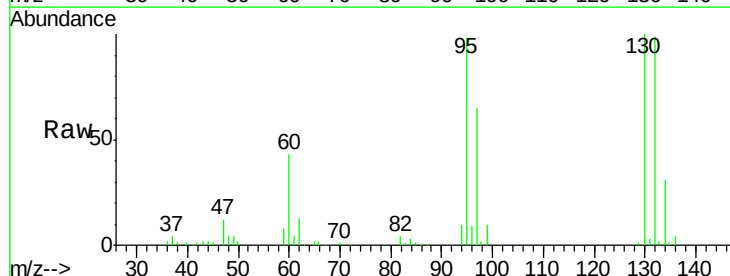
RT: 8.84 min Scan# 2254

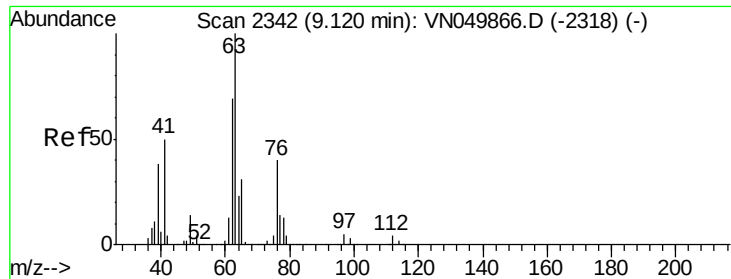
Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Tgt Ion:	130	Resp:	152272
Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	192.8





#45

1,2-Dichloropropane

Concen: 19.04 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD02

Tot Ion: 63 Resp: 156101

Ion Ratio Lower Upper

63 100

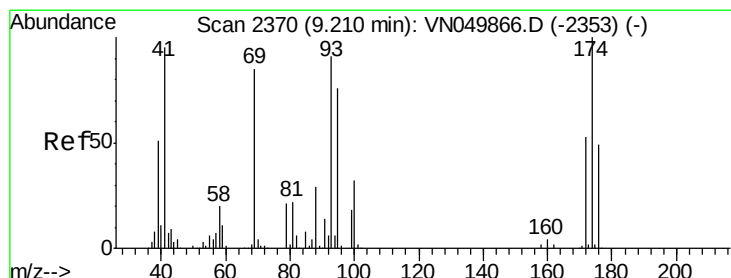
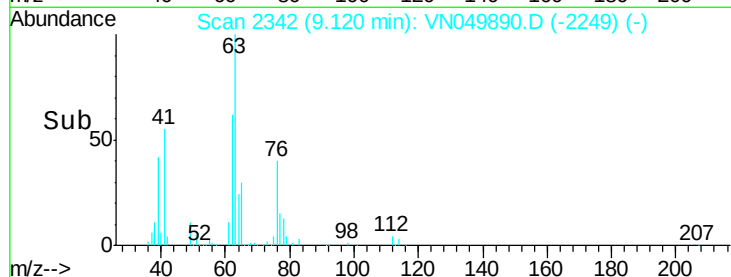
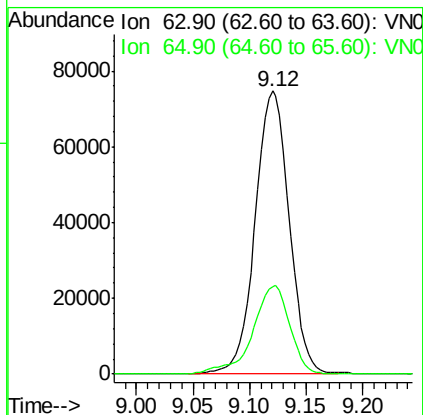
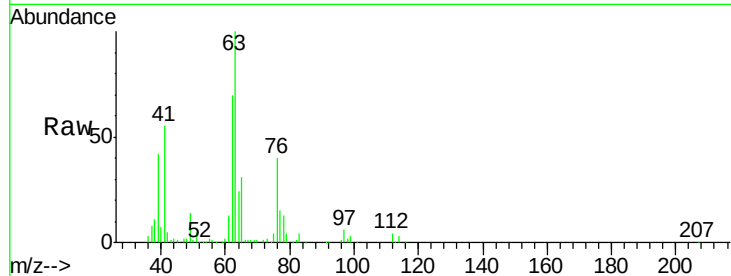
65 31.1 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 19.31 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

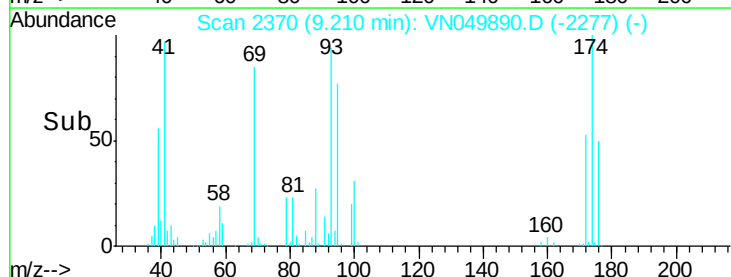
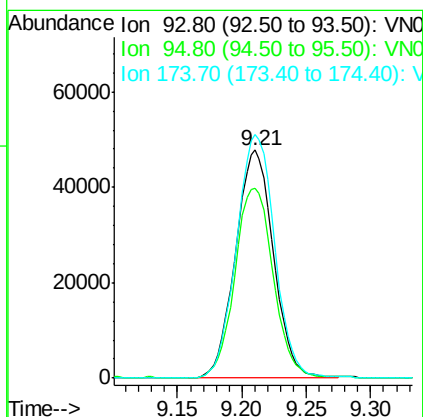
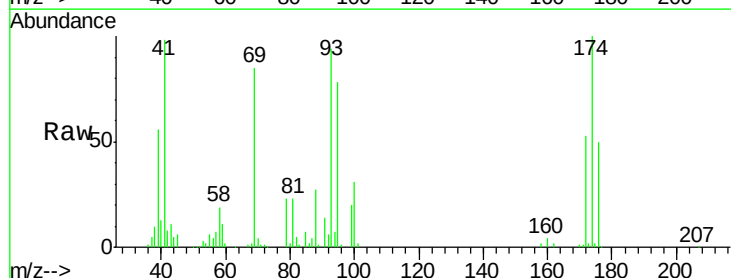
Tgt Ion: 93 Resp: 98162

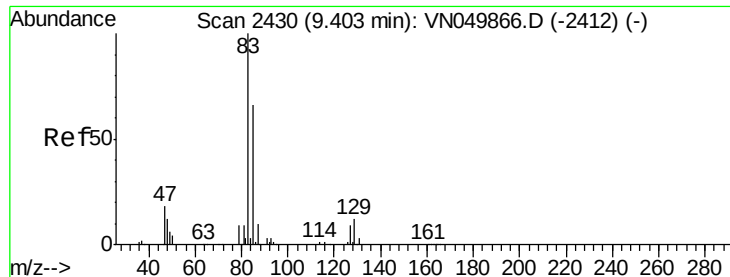
Ion Ratio Lower Upper

93 100

95 84.2 67.9 101.9

174 107.8 89.4 134.0





#47

Bromodichloromethane

Concen: 19.71 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Instrument :

MSVOA_N

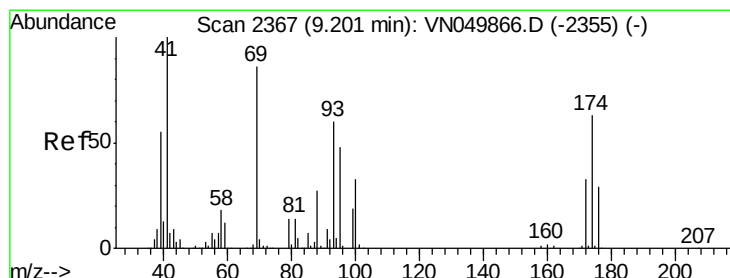
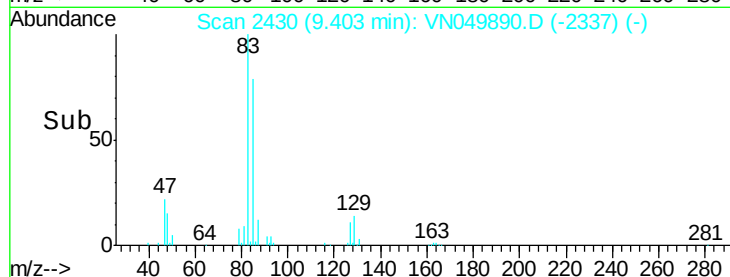
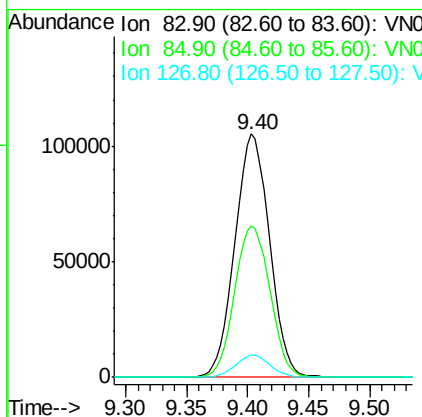
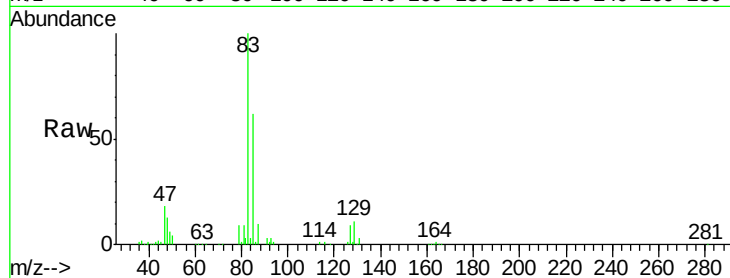
ClientSampleId :

VN0718WBSD02

Tot Ion:	83	Resp:	207219
Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.5	75.7
127	9.0	6.8	10.2

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#48

Methyl methacrylate

Concen: 19.62 ug/l

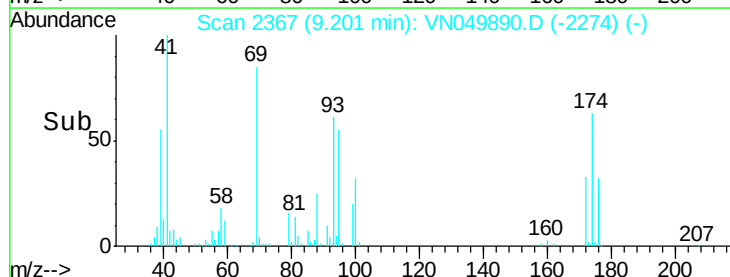
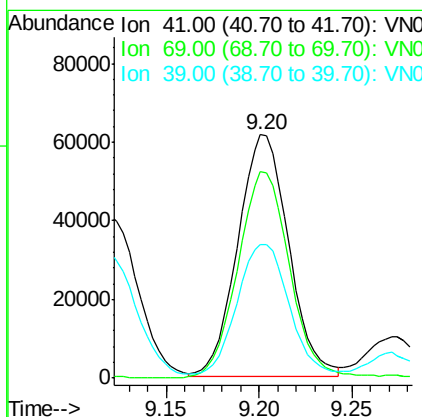
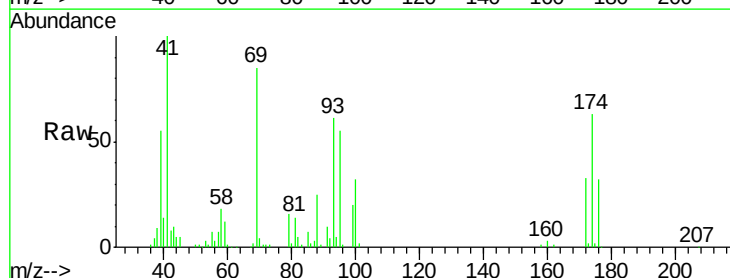
RT: 9.20 min Scan# 2367

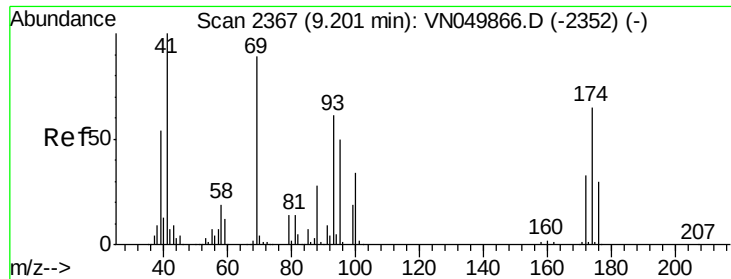
Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Tgt Ion:	41	Resp:	117751
Ion	Ratio	Lower	Upper
41	100		
69	86.6	71.5	107.3
39	57.0	44.7	67.1





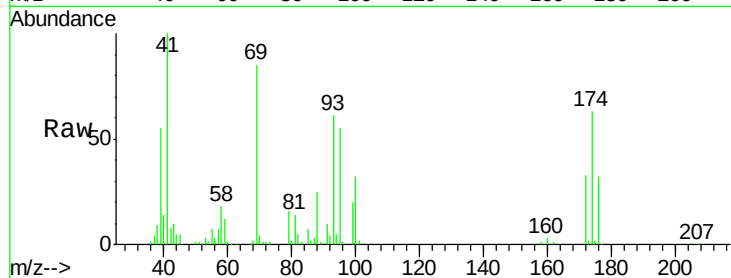
#49
1,4-Dioxane
Concen: 394.76 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02

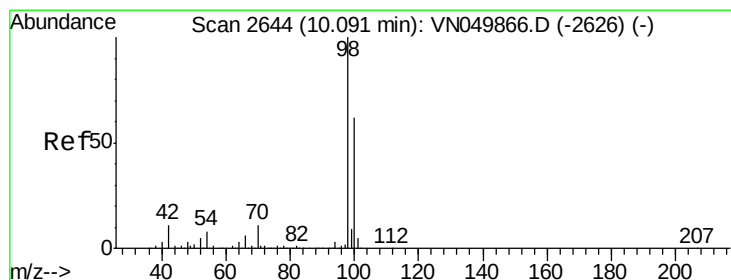
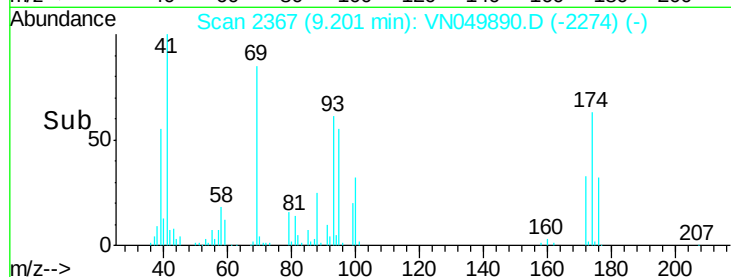
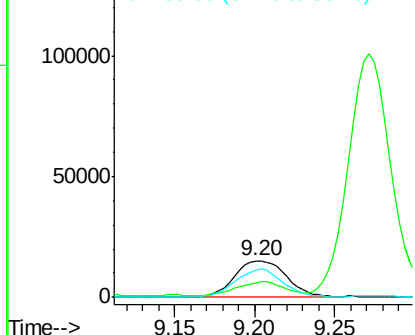
Tot Ion	88	Resp	33605
Ion	Ratio	Lower	Upper
88	100		
43	34.2	25.1	37.7
58	71.0	52.5	78.7

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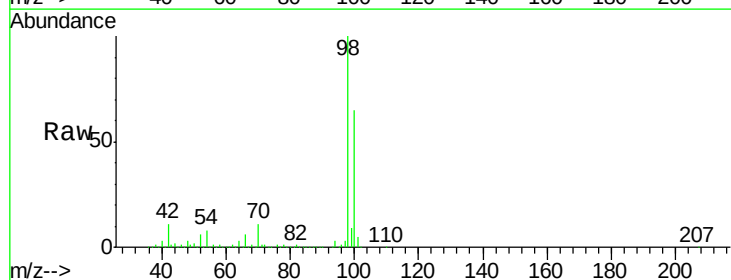


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

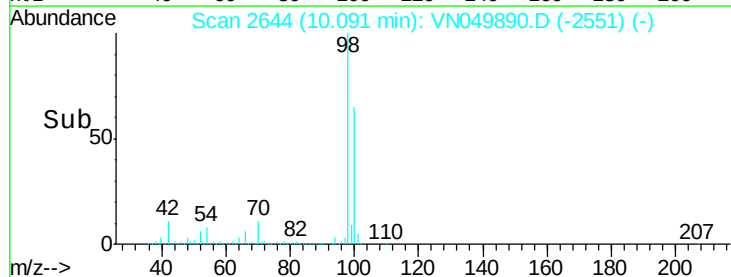
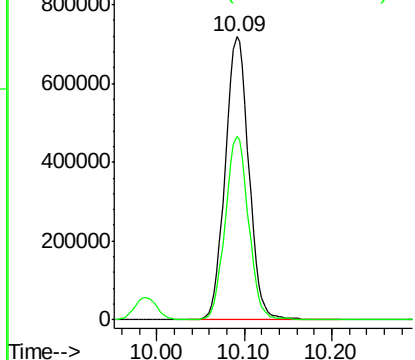


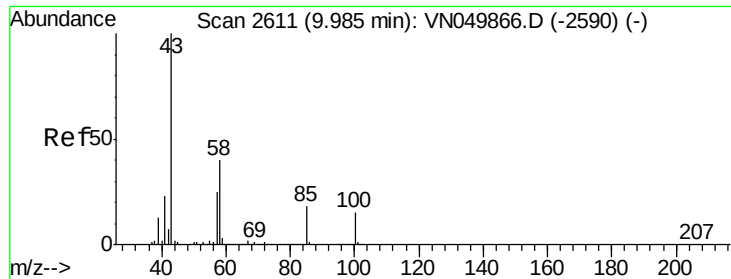
#50
Toluene-d8
Concen: 49.11 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Tgt Ion	98	Resp	1347168
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





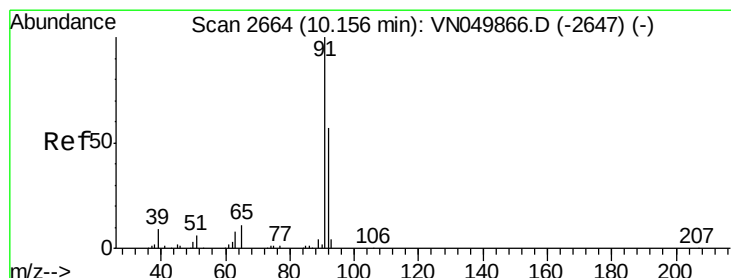
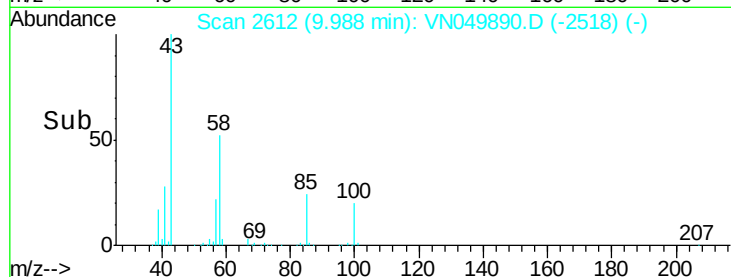
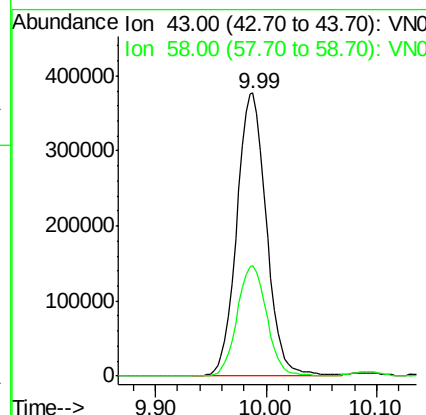
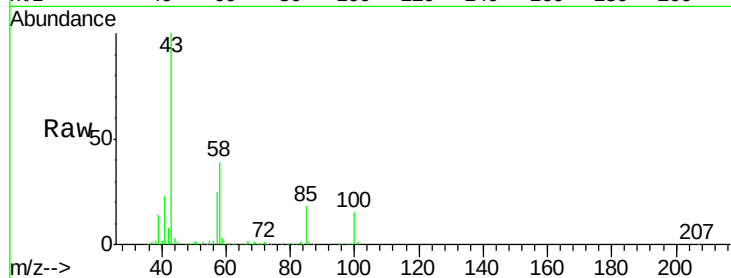
#51
 4-Methyl-2-Pentanone
 Concen: 104.35 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD02

Tot Ion	43	Resp	697795
Ion Ratio	100	Lower	Upper
43	100		
58	39.4	31.8	47.8

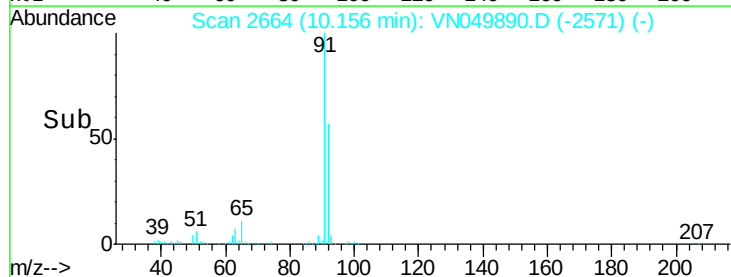
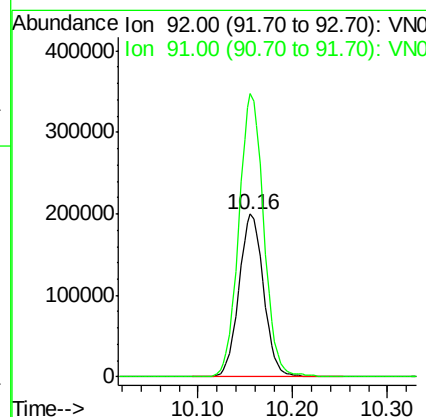
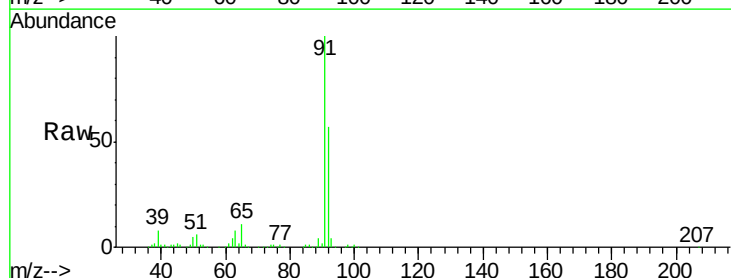
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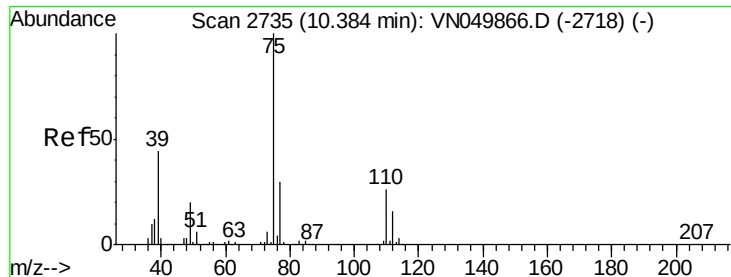
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#52
 Toluene
 Concen: 20.00 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

Tgt Ion	92	Resp	362598
Ion Ratio	100	Lower	Upper
92	100		
91	175.4	140.1	210.1





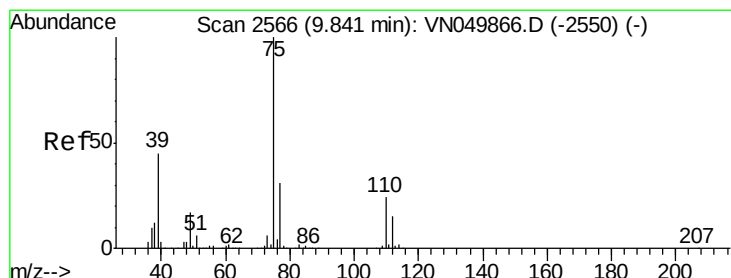
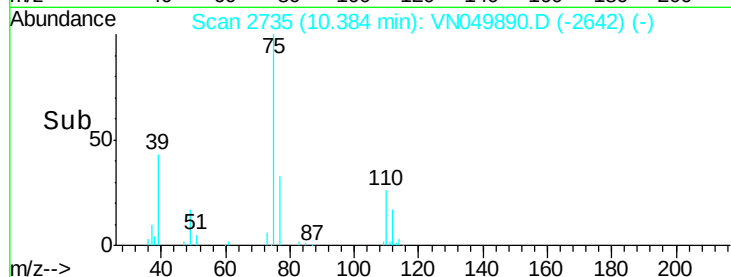
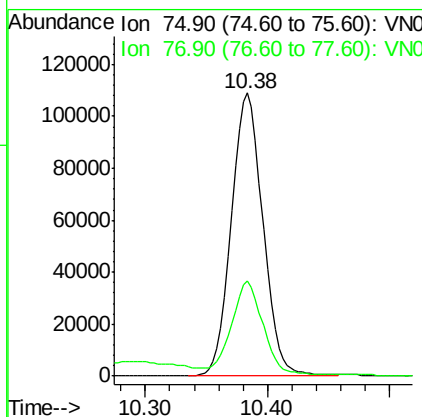
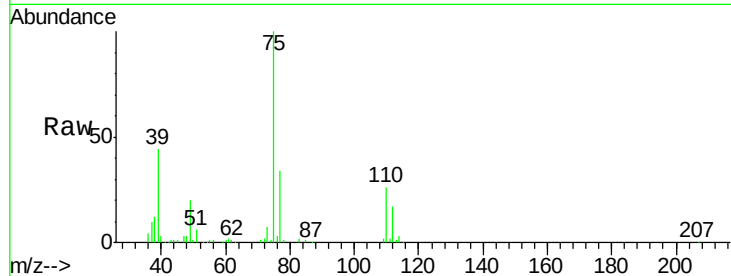
#53
t-1,3-Dichloropropene
Concen: 18.91 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02

Tot Ion: 75 Resp: 196630
Ion Ratio Lower Upper
75 100
77 32.8 25.2 37.8

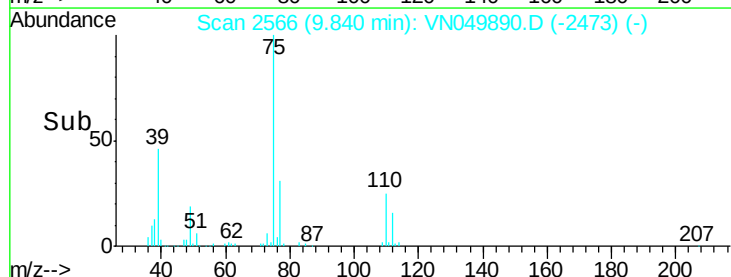
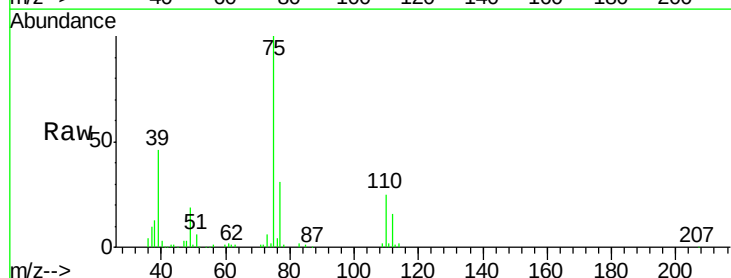
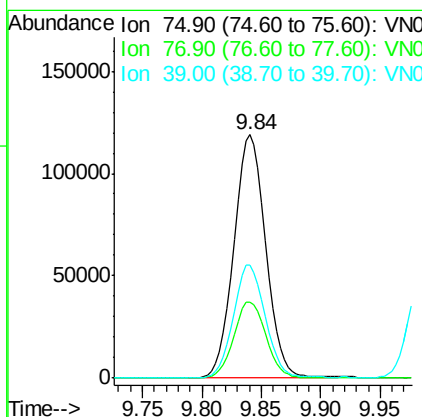
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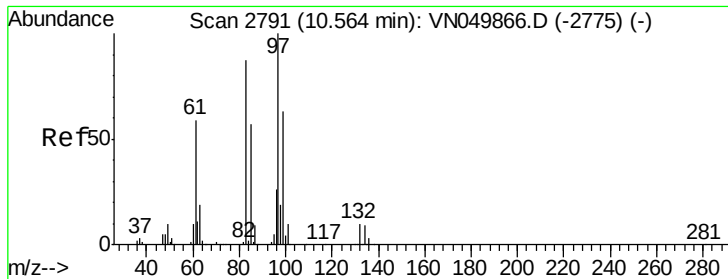
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#54
cis-1,3-Dichloropropene
Concen: 19.25 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Tgt Ion: 75 Resp: 221213
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9
39 46.3 35.5 53.3





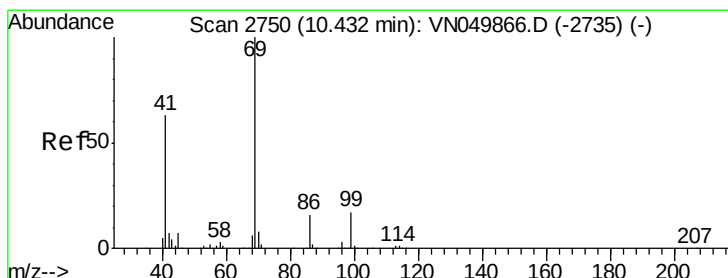
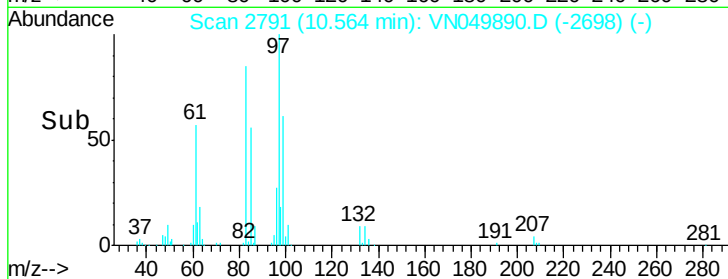
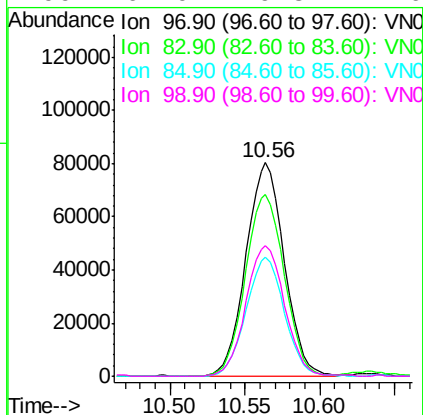
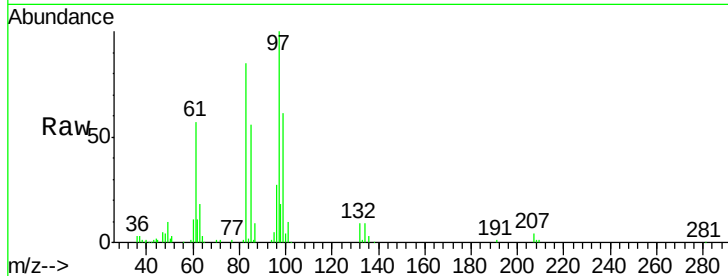
#55
 1,1,2-Trichloroethane
 Concen: 19.12 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		143202		
83	84.9	69.0	103.6		
85	55.8	44.9	67.3		
99	61.0	49.8	74.6		

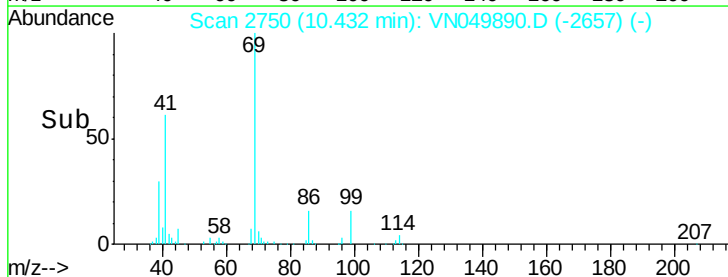
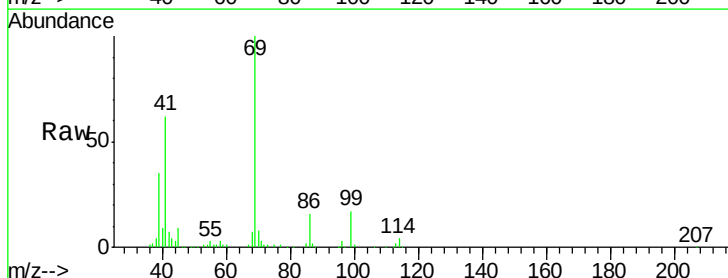
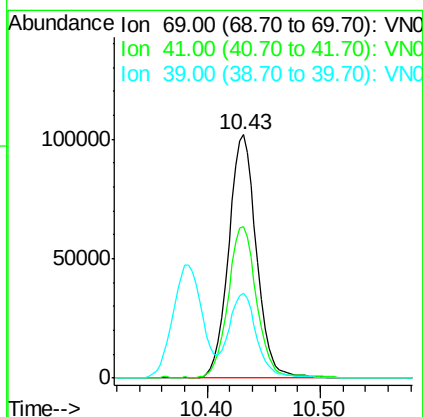
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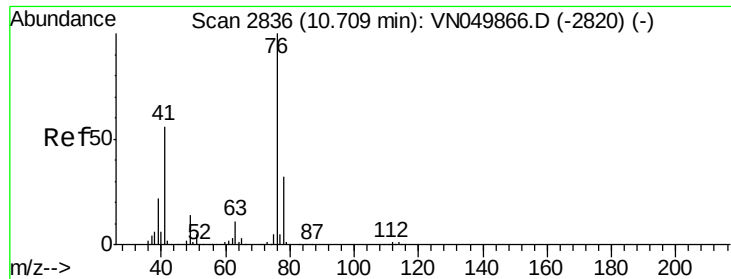
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#56
 Ethyl methacrylate
 Concen: 18.77 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		174576		
41	63.2	51.6	77.4		
39	34.1	25.8	38.8		





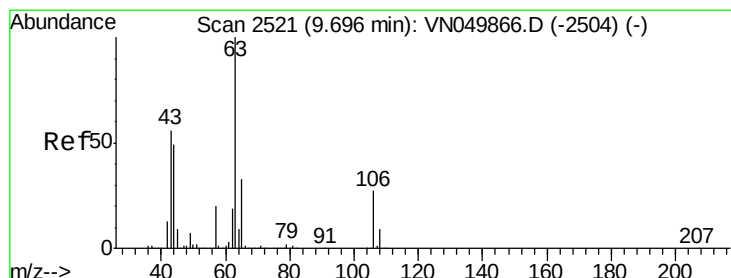
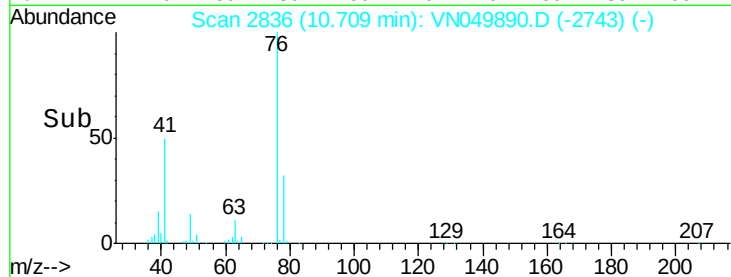
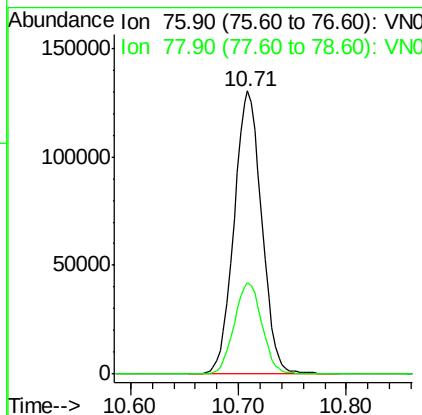
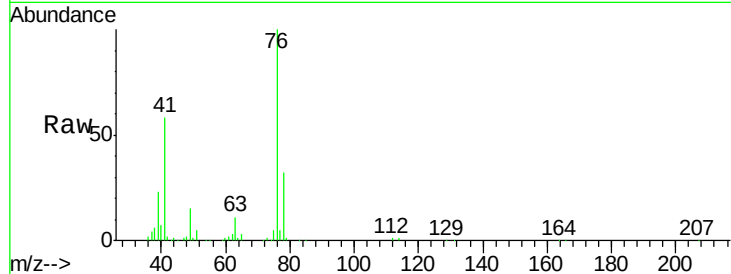
#57
 1,3-Dichloropropane
 Concen: 19.75 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD02

Tot Ion: 76 Resp: 232886
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8

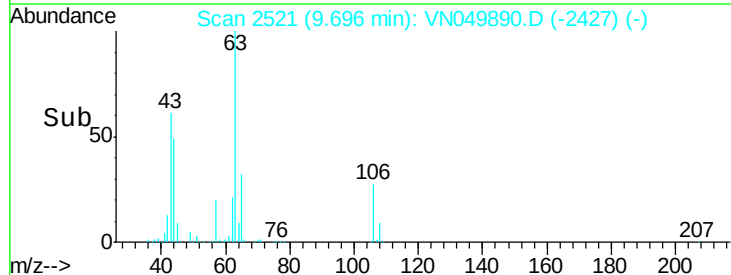
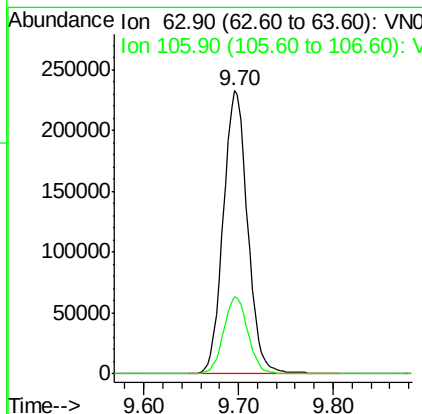
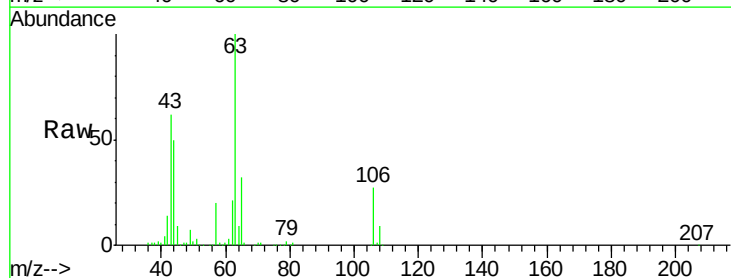
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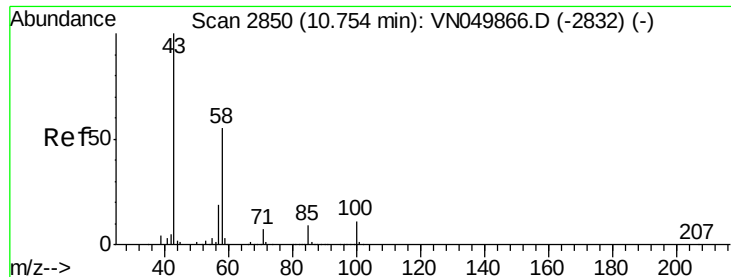
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#58
 2-Chloroethyl Vinyl ether
 Concen: 104.29 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

Tgt Ion: 63 Resp: 416088
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.8 32.8





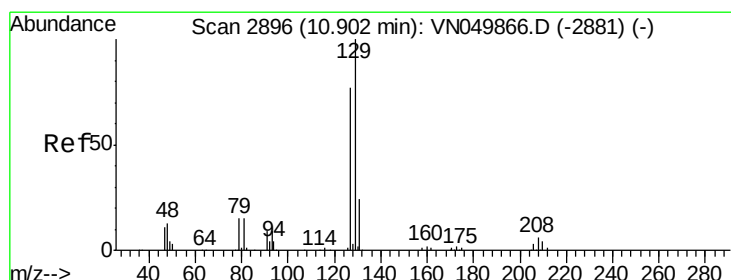
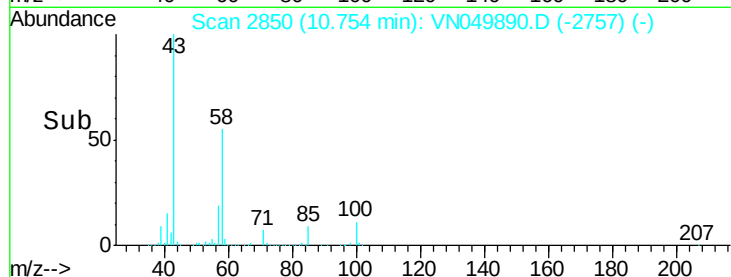
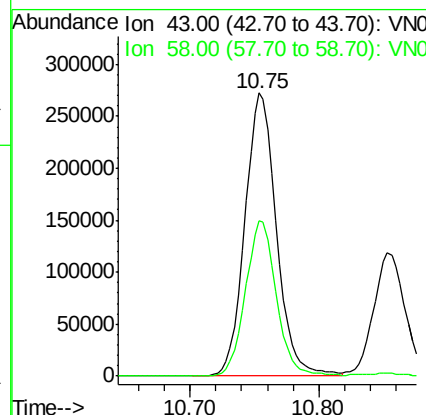
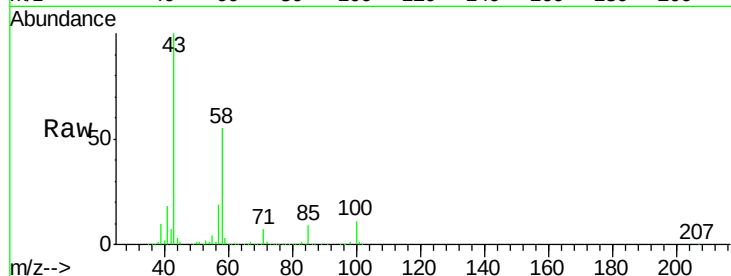
#59
2-Hexanone
Concen: 102.68 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.2	27.8	83.4

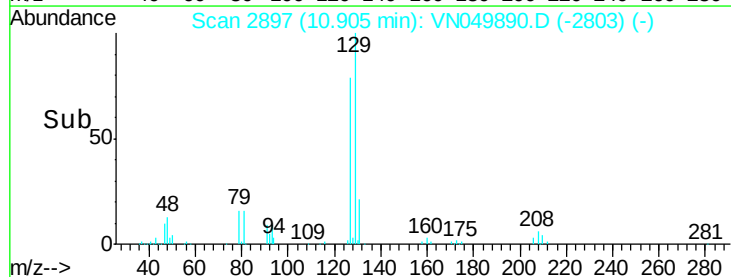
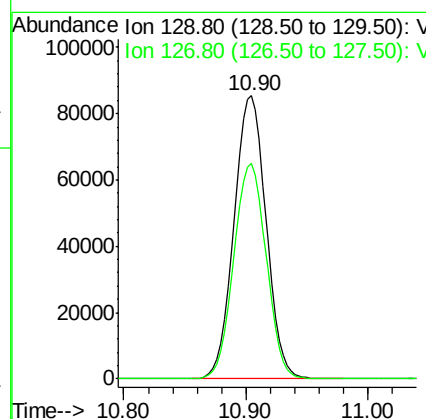
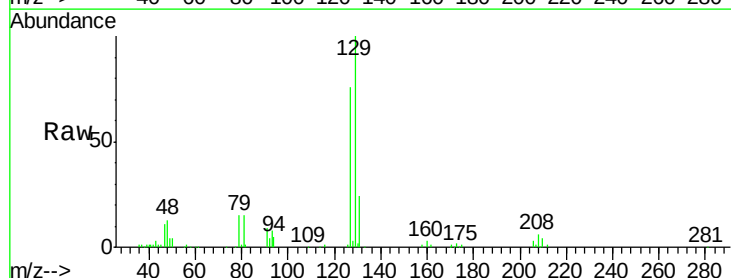
Manual Integrations
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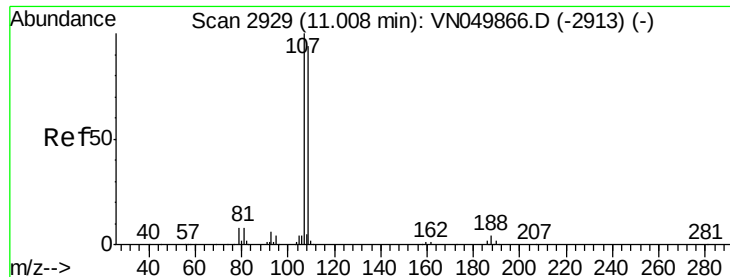
apatel
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#60
Dibromochloromethane
Concen: 19.04 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.3	114.9





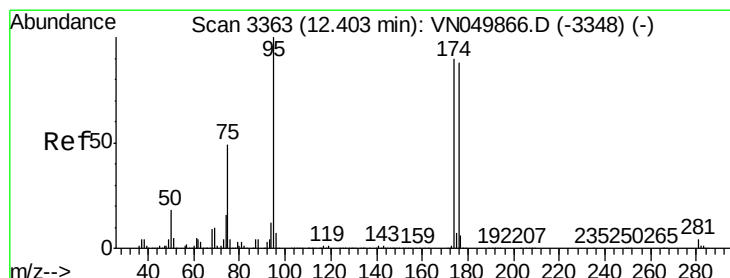
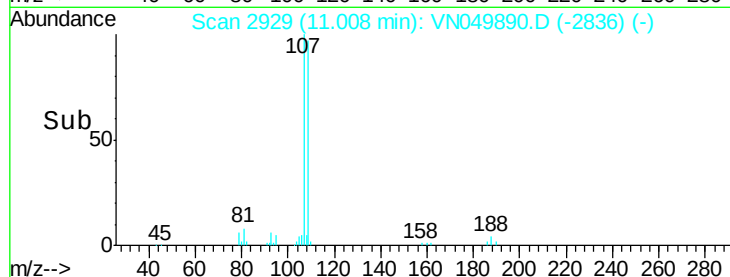
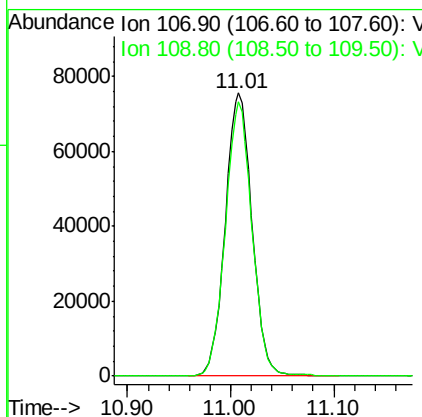
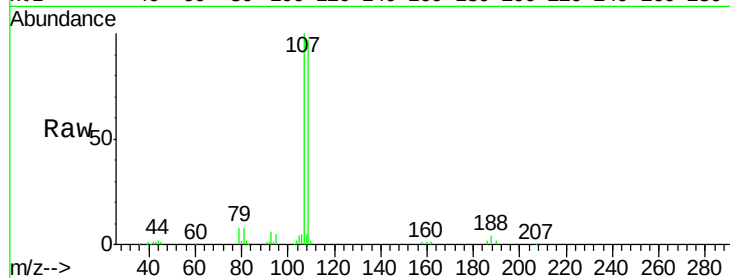
#61
 1,2-Dibromoethane
 Concen: 19.57 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	75.0	112.6

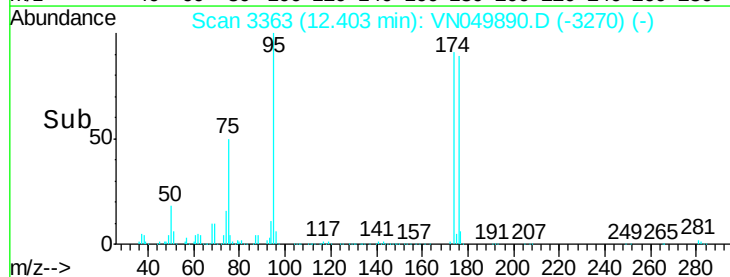
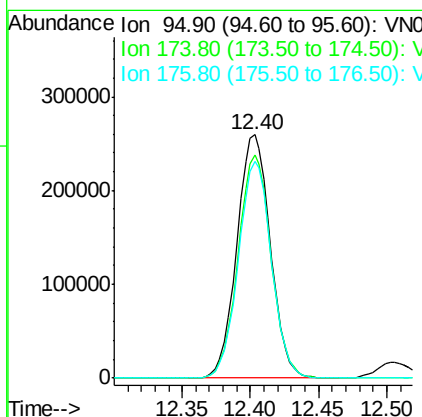
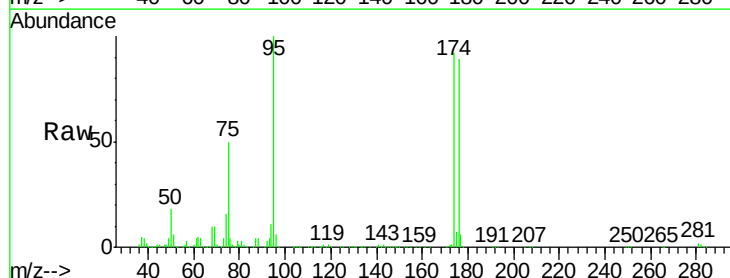
Manual Integrations
 APPROVED

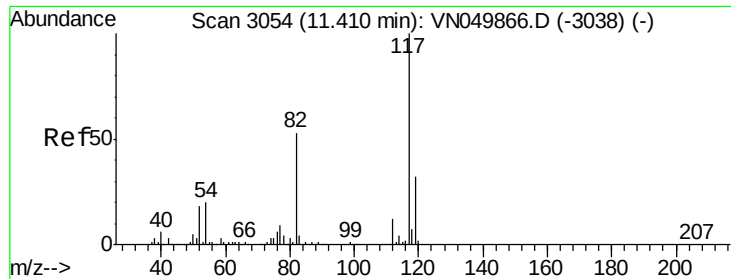
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#62
 4-Bromofluorobenzene
 Concen: 46.72 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	179.6
176	87.7	0.0	174.0





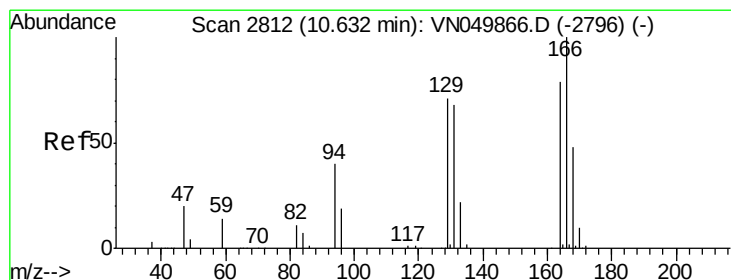
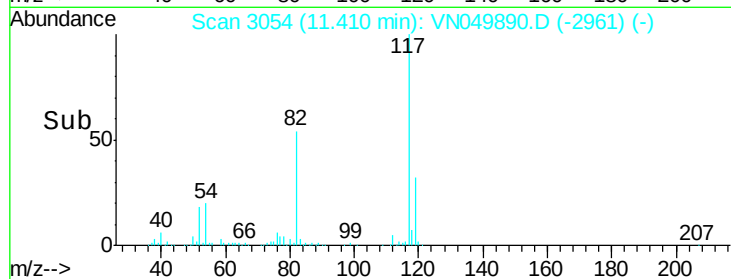
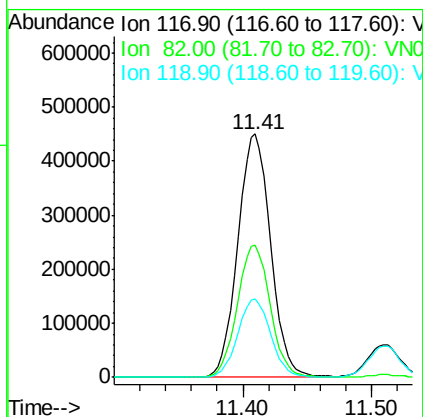
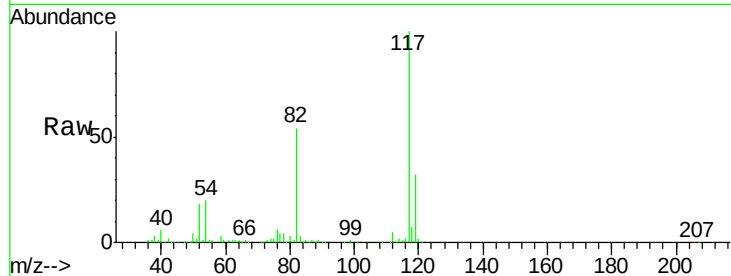
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	41.9	62.9
119	32.1	25.4	38.2

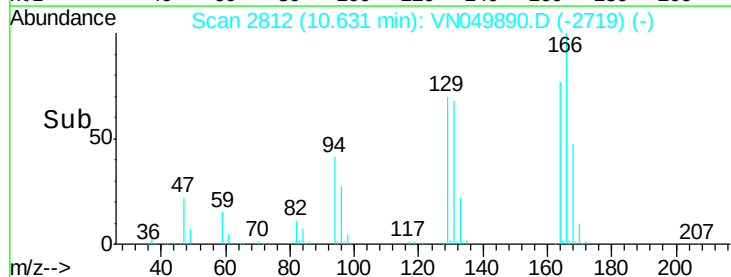
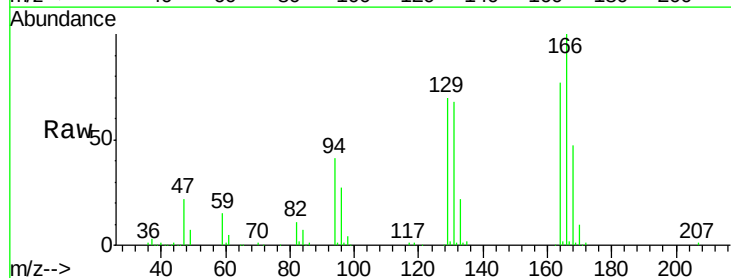
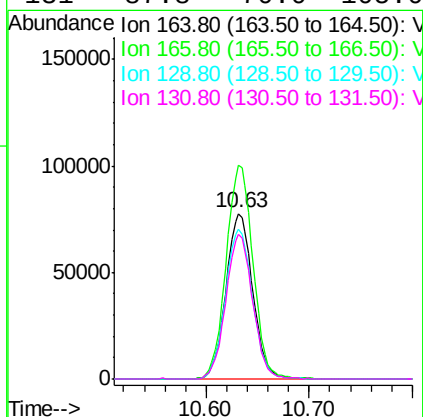
Manual Integrations
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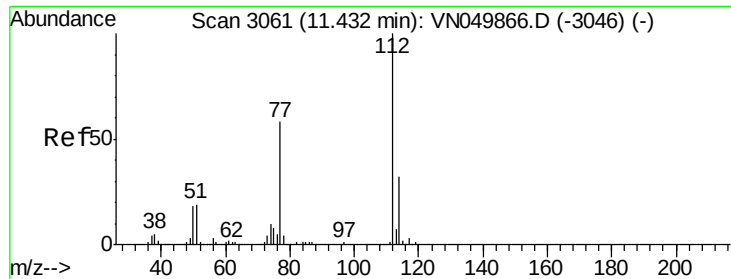
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#64
Tetrachloroethene
Concen: 19.59 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	101.8	152.6
129	90.8	72.8	109.2
131	87.8	70.0	105.0





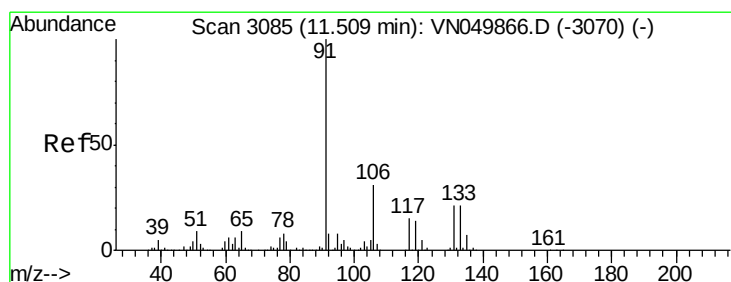
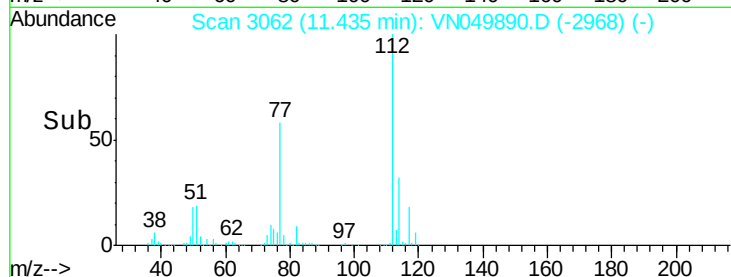
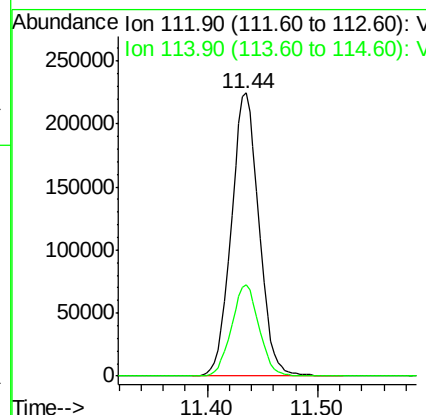
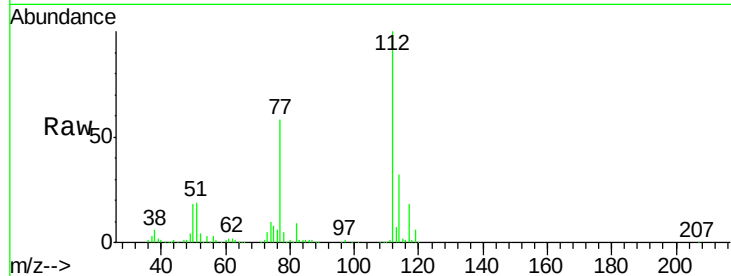
#65
Chlorobenzene
Concen: 19.47 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02

Tot Ion:112 Resp: 390094
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0

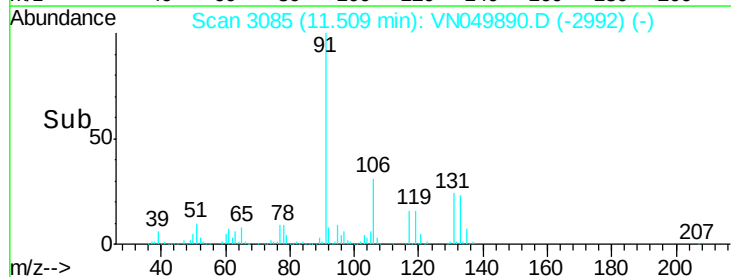
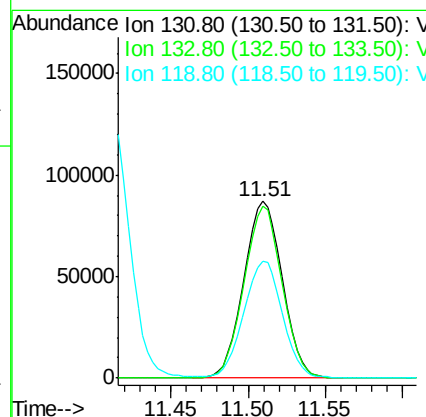
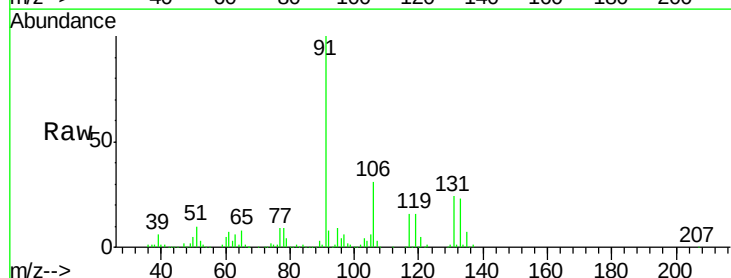
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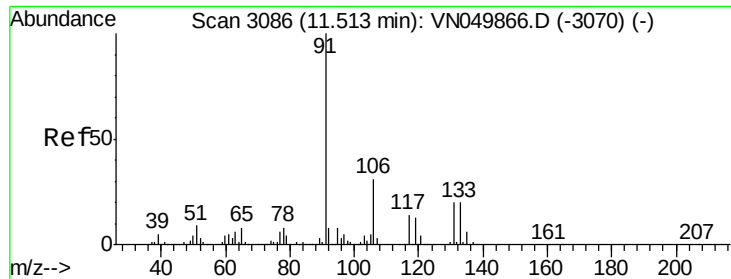
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.49 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Tgt Ion:131 Resp: 151217
Ion Ratio Lower Upper
131 100
133 95.9 47.5 142.6
119 66.7 33.1 99.3





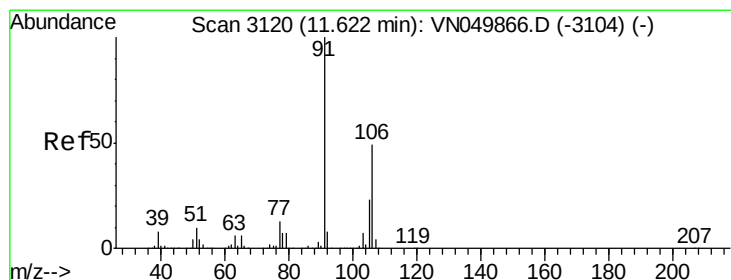
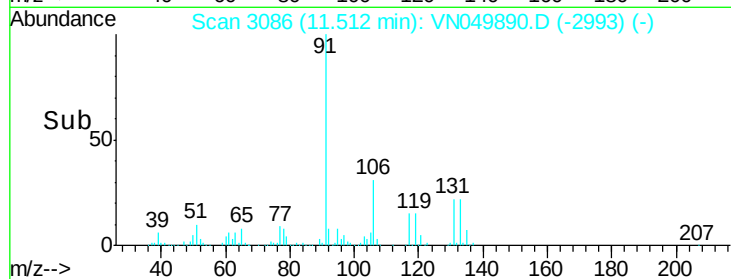
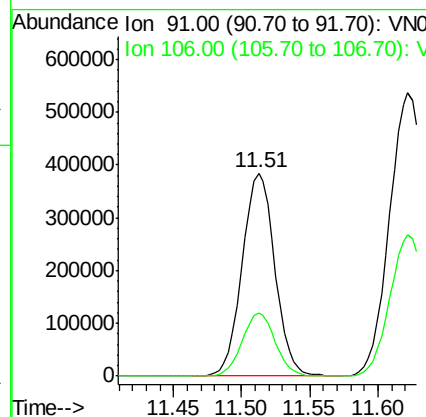
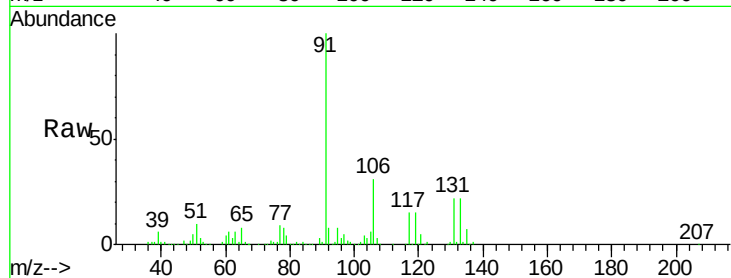
#67
Ethyl Benzene
Concen: 19.67 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02

Tot Ion: 91 Resp: 639285
Ion Ratio Lower Upper
91 100
106 30.8 24.8 37.2

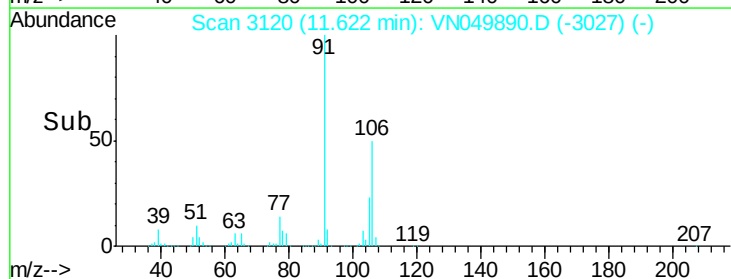
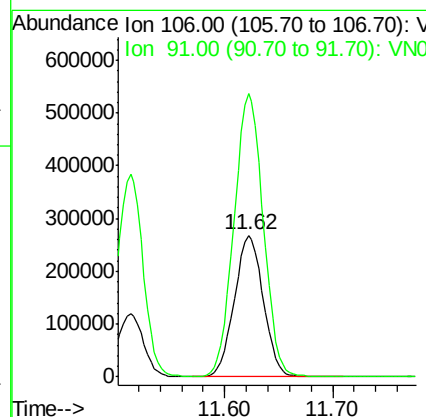
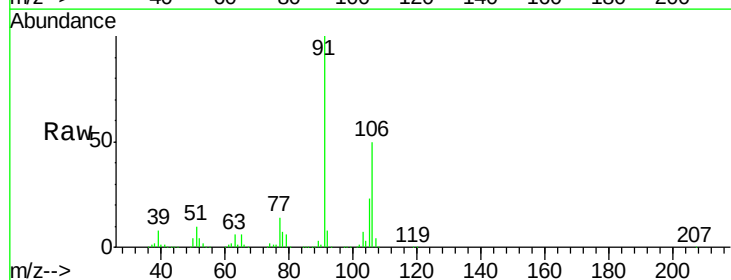
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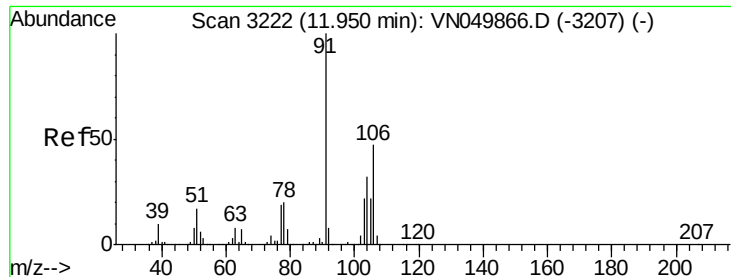
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#68
m/p-Xylenes
Concen: 40.91 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Tgt Ion: 106 Resp: 503275
Ion Ratio Lower Upper
106 100
91 201.3 163.4 245.2





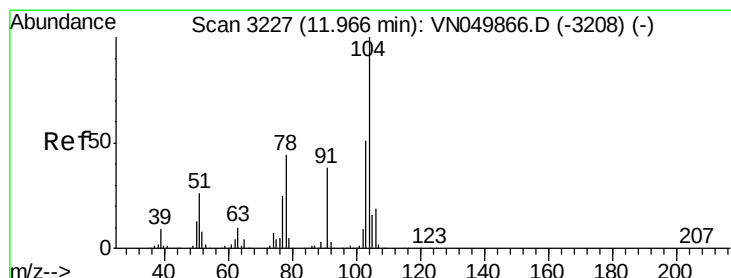
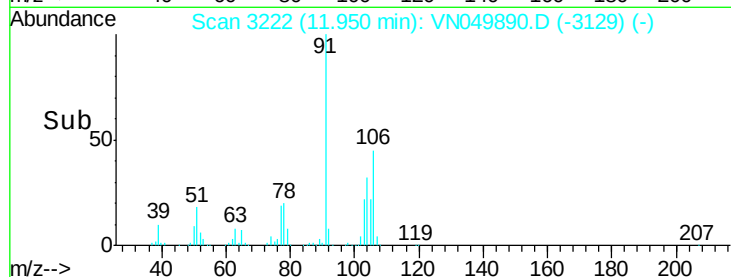
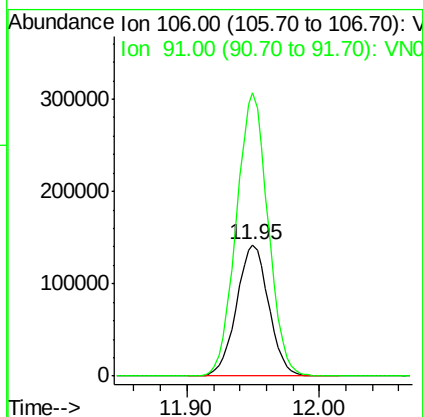
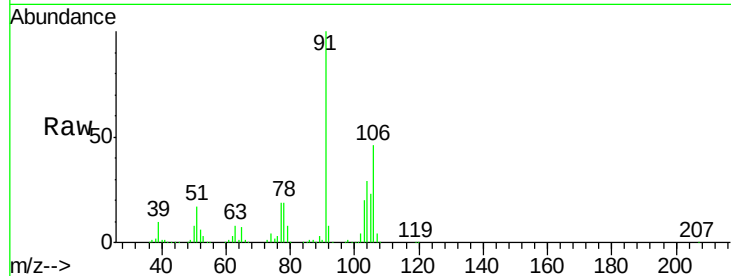
#69
o-Xylene
Concen: 20.24 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		239109		
91	213.5	108.7	326.1		

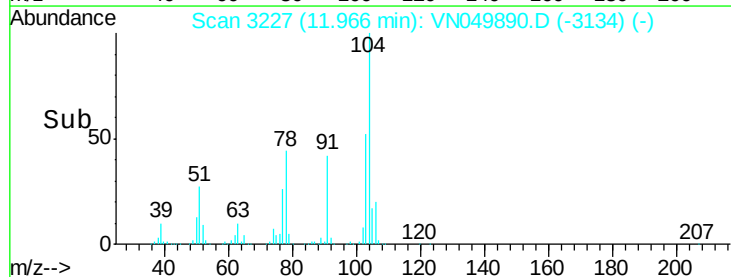
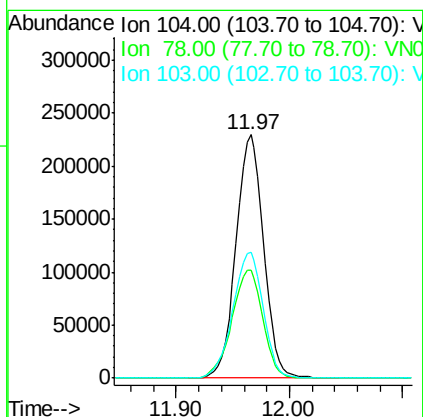
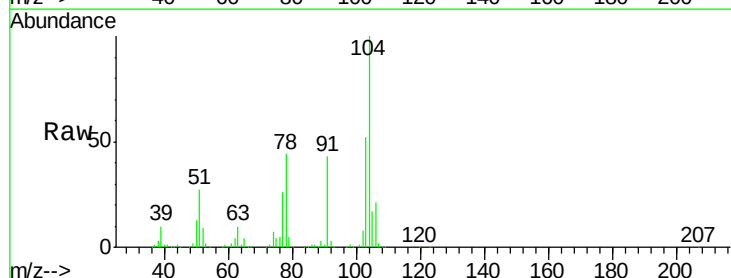
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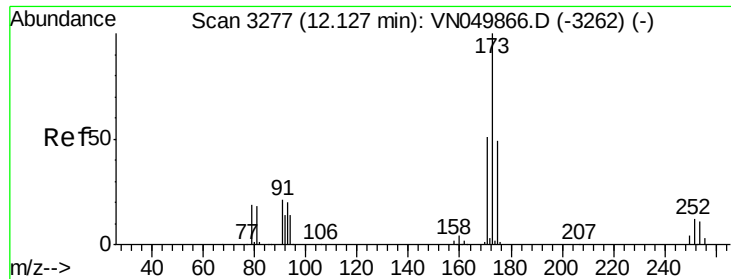
apatel
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#70
Styrene
Concen: 20.45 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		391444		
78	49.7	39.2	58.8		
103	56.9	44.6	67.0		





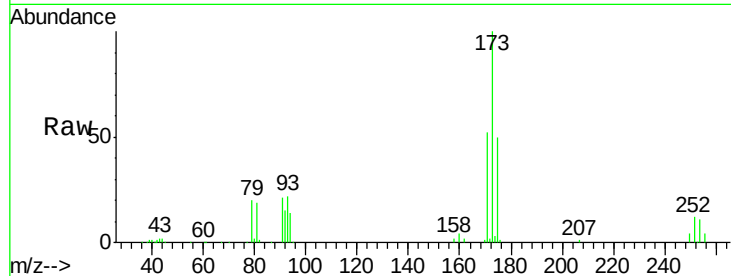
#71
Bromoform
Concen: 20.20 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD02

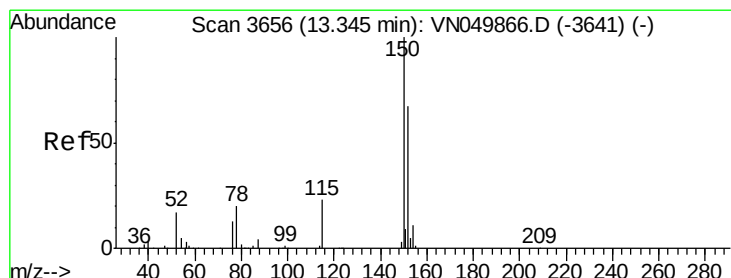
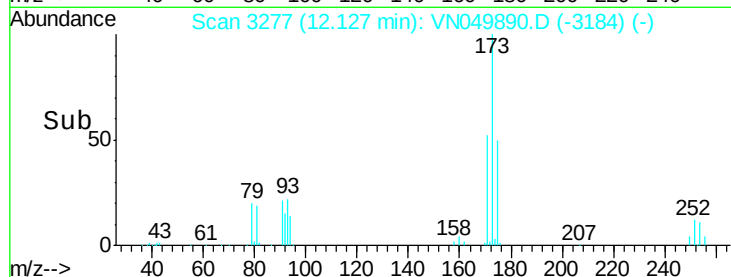
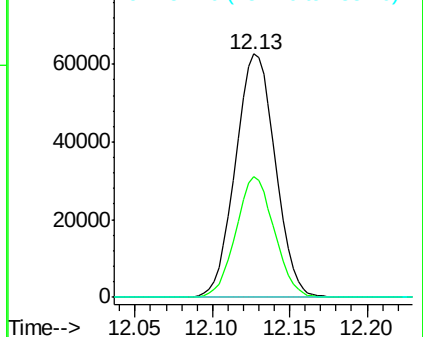
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.6	73.8
254	0.1	0.2	0.2

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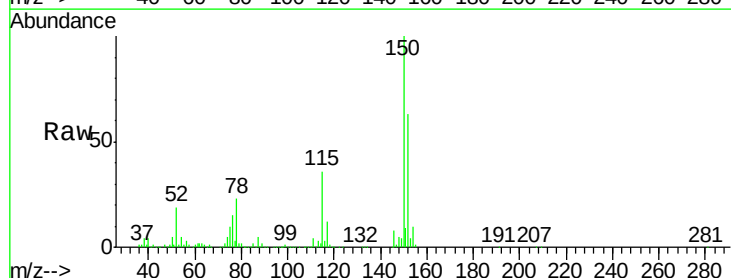


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

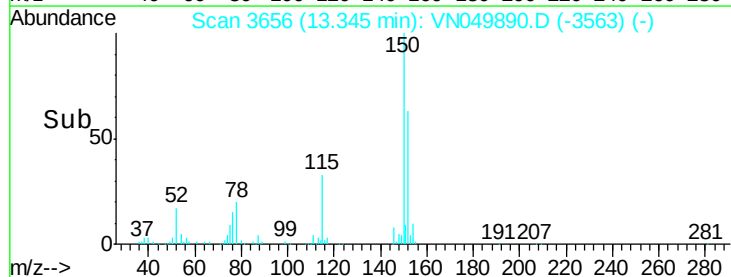
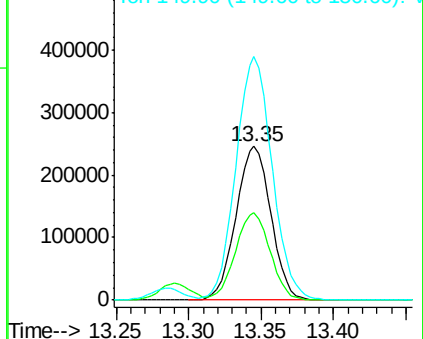


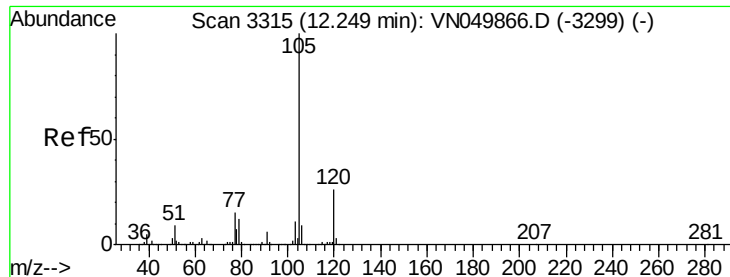
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049890.D
Acq: 18 Jul 2018 23:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.1	84.2
150	165.1	0.0	347.6



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: 20.42 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD02

Tot Ion: 105 Resp: 636284

Ion Ratio Lower Upper

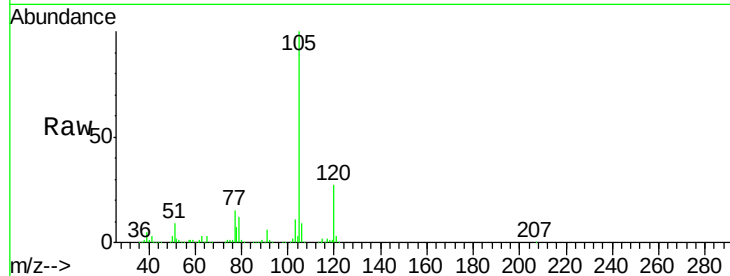
105 100

120 26.6 13.3 39.8

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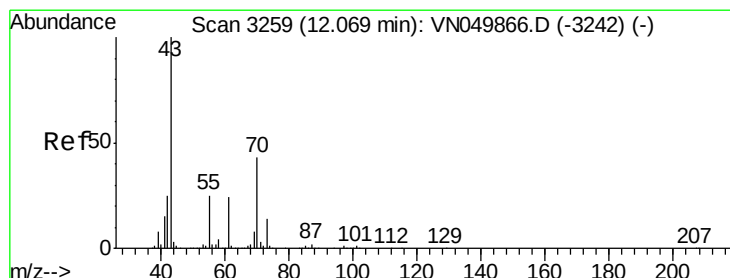
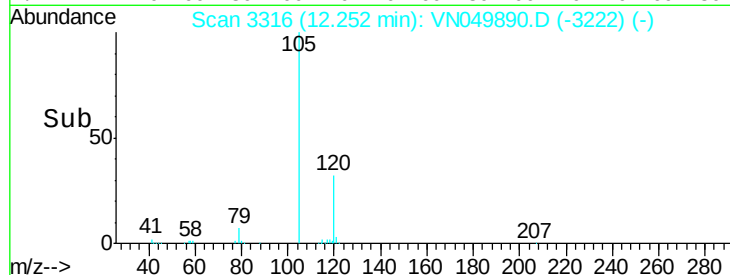
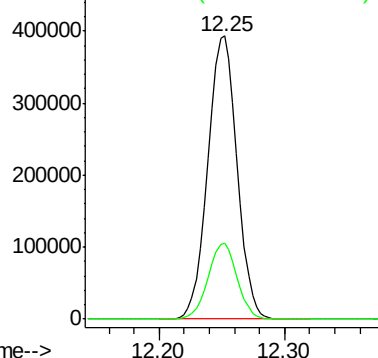
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.48 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Tgt Ion: 43 Resp: 194230

Ion Ratio Lower Upper

43 100

70 42.3 34.8 52.2

55 27.9 20.9 31.3

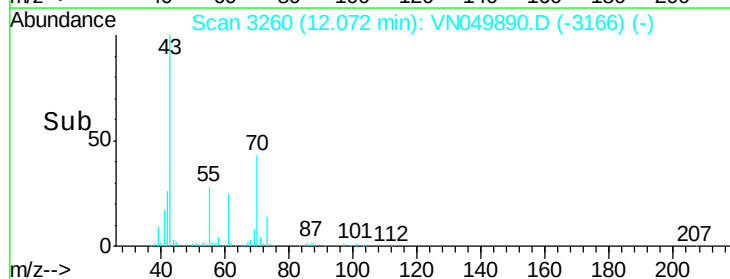
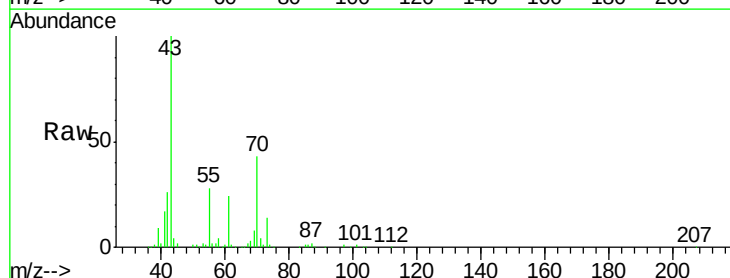
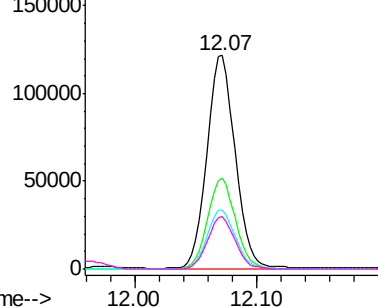
61 23.9 19.9 29.9

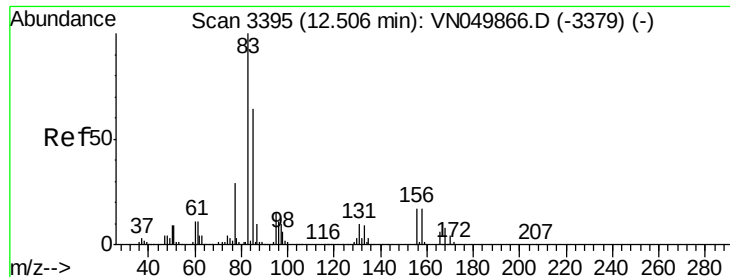
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.24 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD02

Tot Ion: 83 Resp: 188970

Ion Ratio Lower Upper

83 100

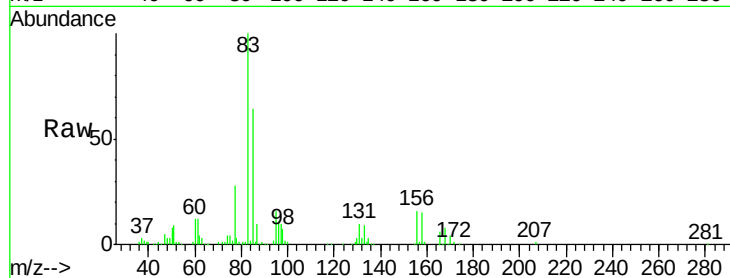
131 10.1 5.2 15.6

85 63.3 32.5 97.4

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Abundance Ion 82.90 (82.60 to 83.60): VN049890.D (-3302) (-)

Ion 130.80 (130.50 to 131.50): VN049890.D (-3302) (-)

Ion 84.90 (84.60 to 85.60): VN049890.D (-3302) (-)

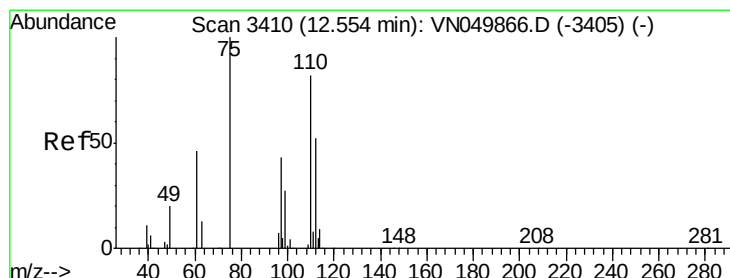
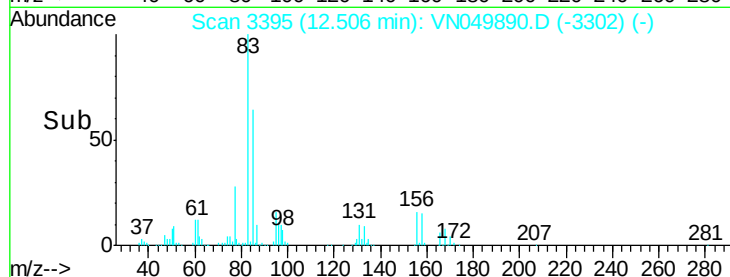
12.51

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 20.28 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049890.D

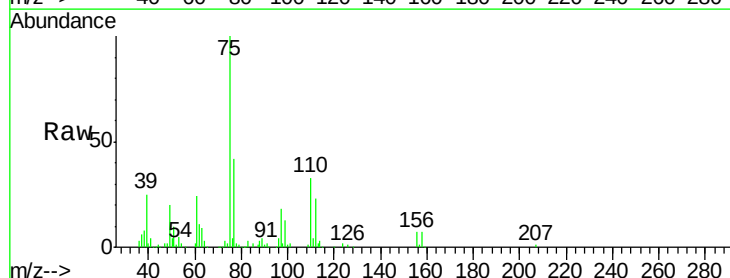
Acq: 18 Jul 2018 23:41

Tgt Ion: 75 Resp: 156103

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049890.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN049890.D (-3317) (-)

12.55

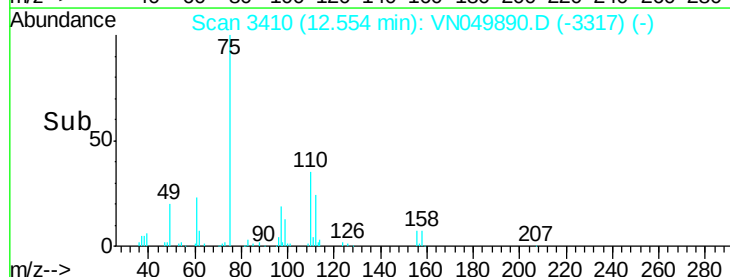
150000

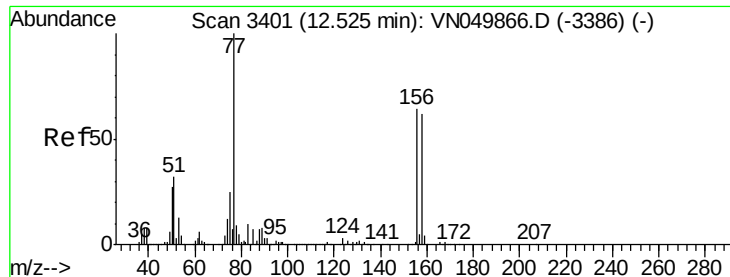
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 19.75 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Instrument :

MSVOA_N

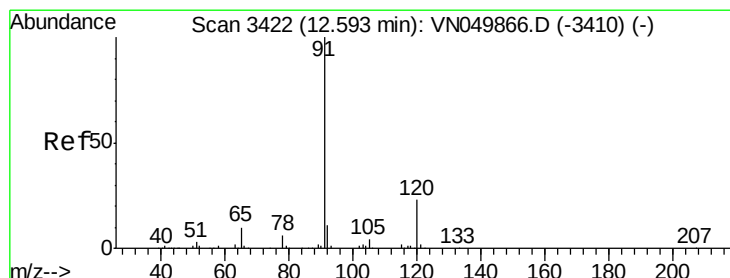
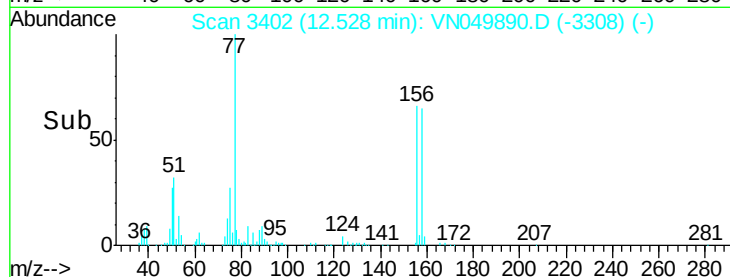
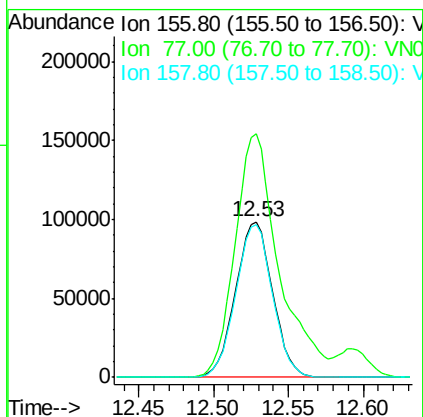
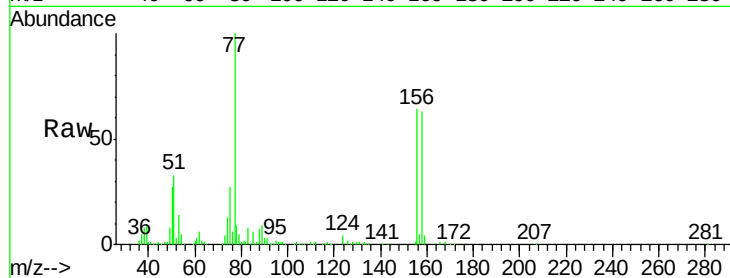
ClientSampleId :

VN0718WBSD02

Tot Ion:	156	Resp:	169952
Ion Ratio	Lower	Upper	
156	100		
77	185.8	90.2	270.6
158	97.6	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 20.50 ug/l

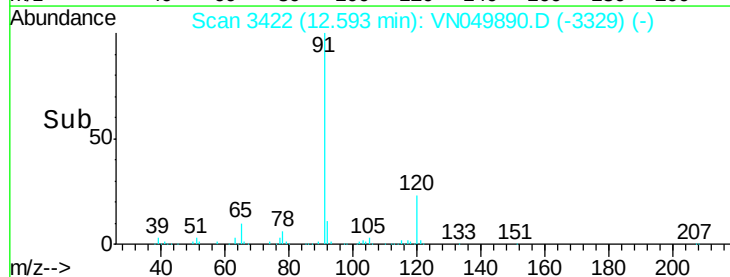
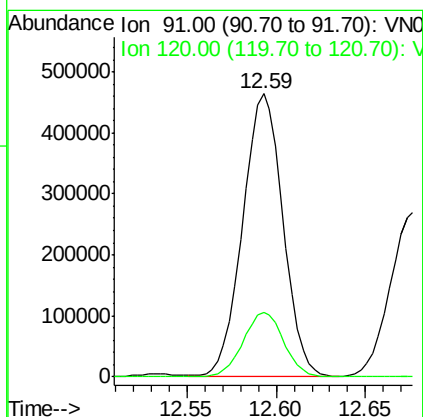
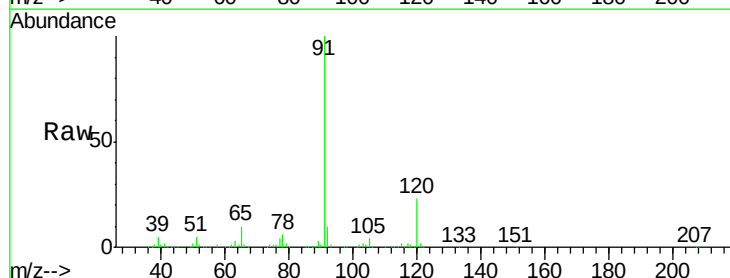
RT: 12.59 min Scan# 3422

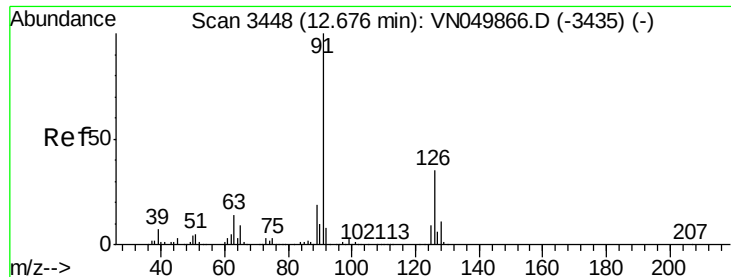
Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Tgt Ion:	91	Resp:	726374
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.5	34.4





#79

2-Chlorotoluene

Concen: 20.61 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD02

Tot Ion: 91 Resp: 448462

Ion Ratio Lower Upper

91 100

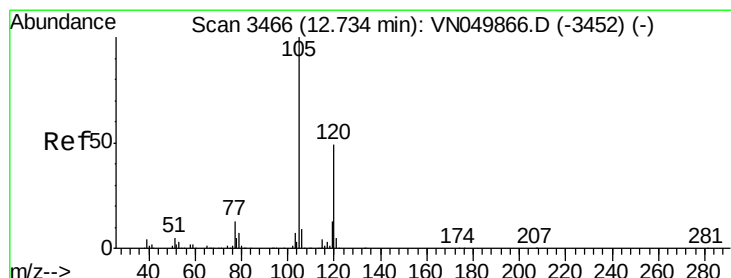
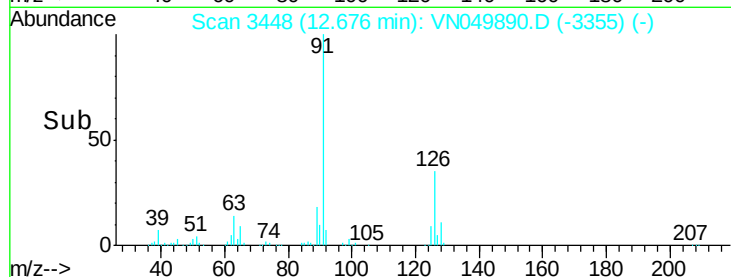
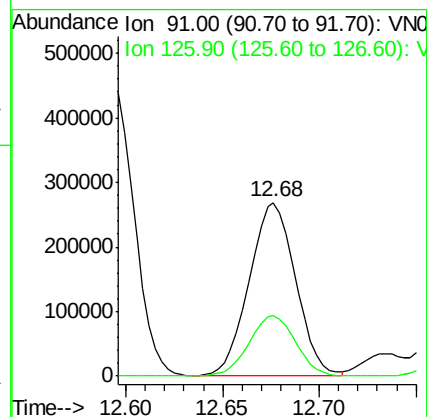
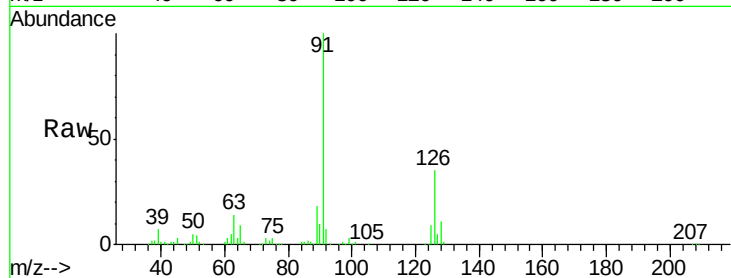
126 35.2 17.5 52.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.88 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049890.D

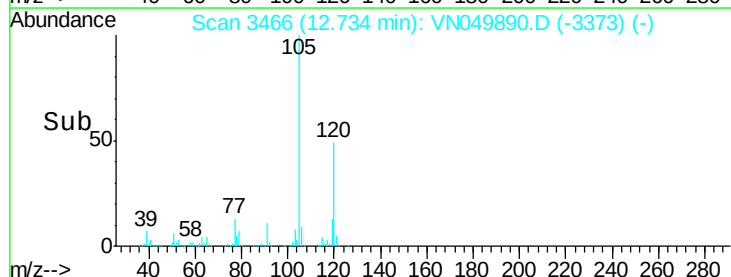
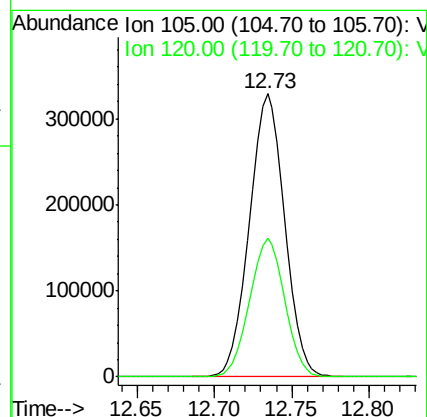
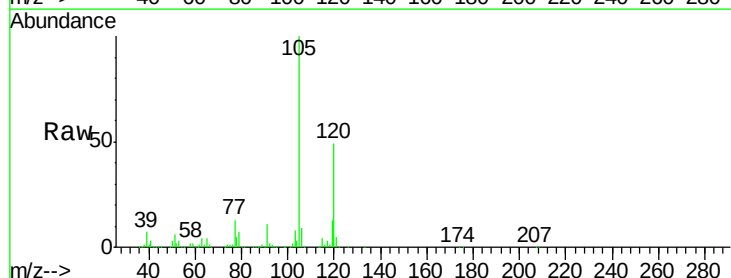
Acq: 18 Jul 2018 23:41

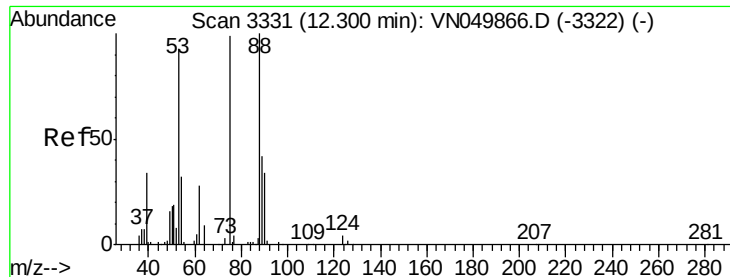
Tgt Ion: 105 Resp: 521441

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.80 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Instrument :

MSVOA_N

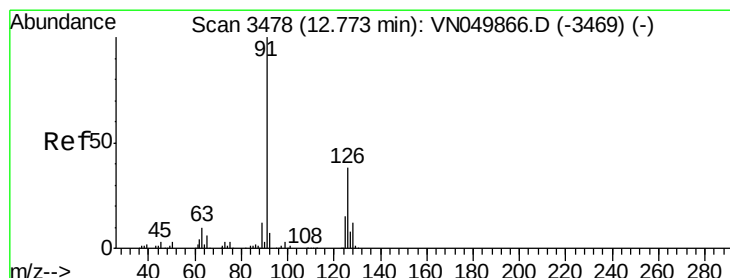
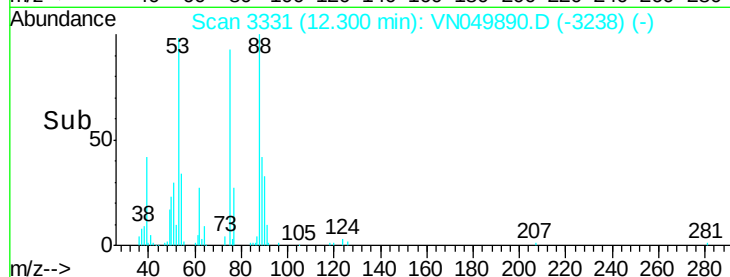
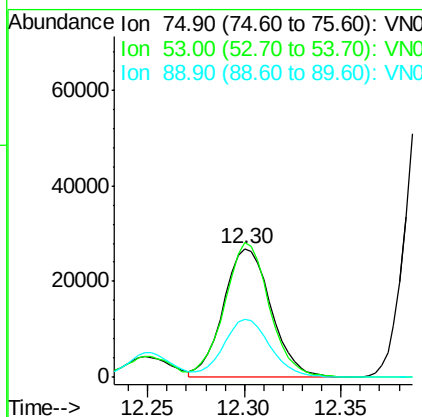
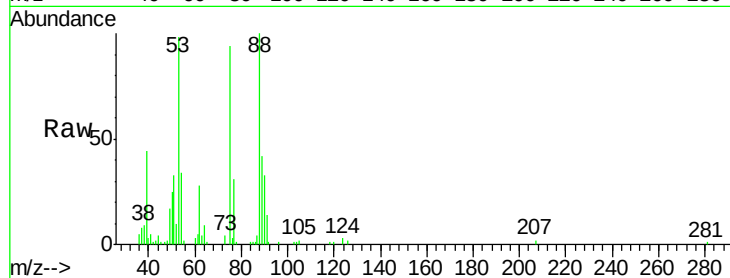
ClientSampleId :

VN0718WBSD02

Tot Ion:	75	Resp:	46259
Ion	Ratio	Lower	Upper
75	100		
53	98.4	73.9	110.9
89	43.8	35.9	53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.80 ug/l

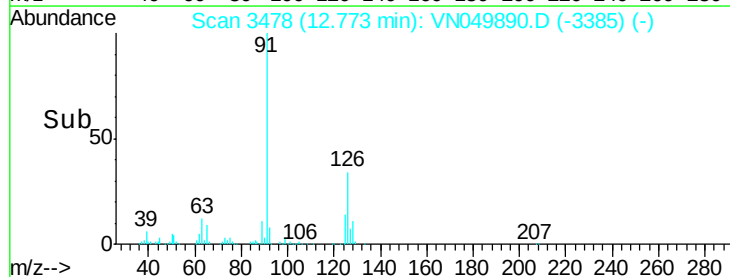
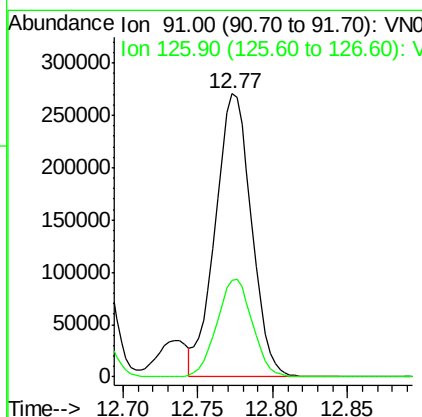
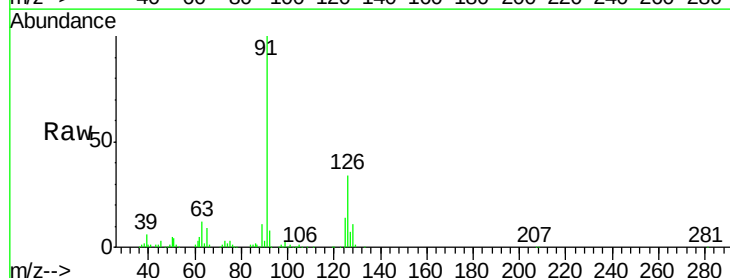
RT: 12.77 min Scan# 3478

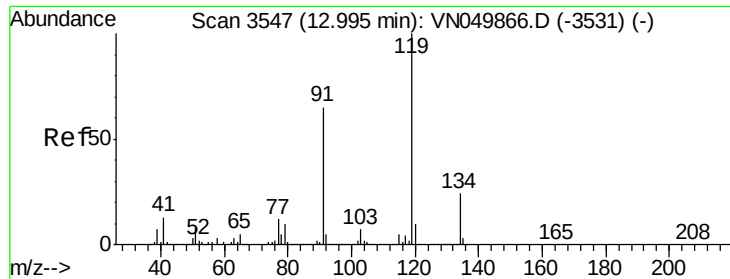
Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Tgt Ion:	91	Resp:	453898
Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.2	51.6





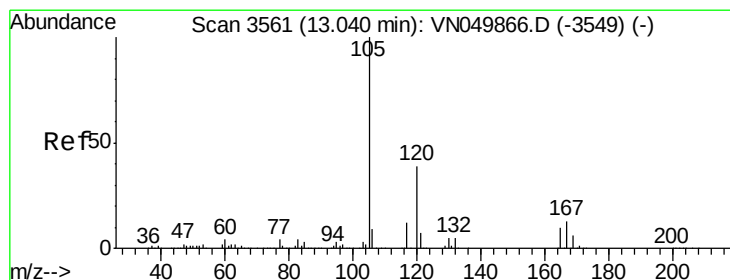
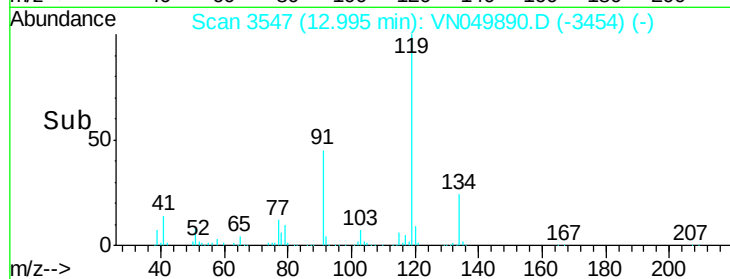
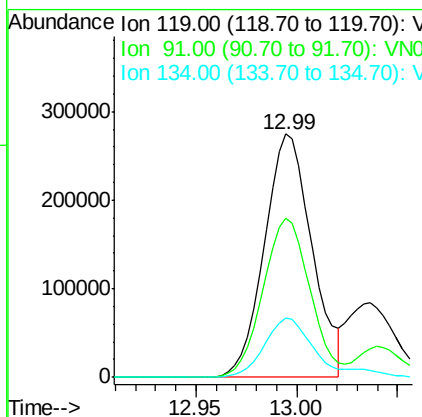
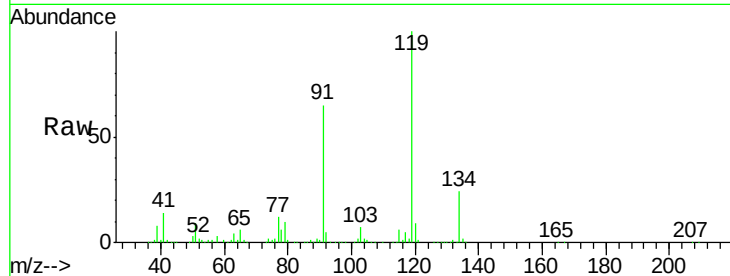
#83
 tert-Butylbenzene
 Concen: 20.54 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0718WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.6	32.0	96.2
134	24.1	12.8	38.4

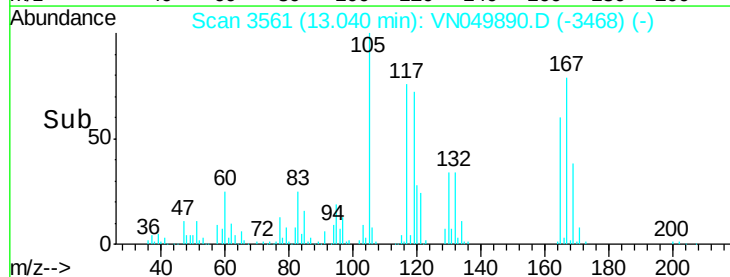
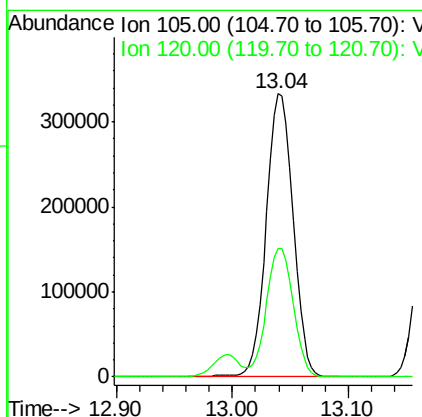
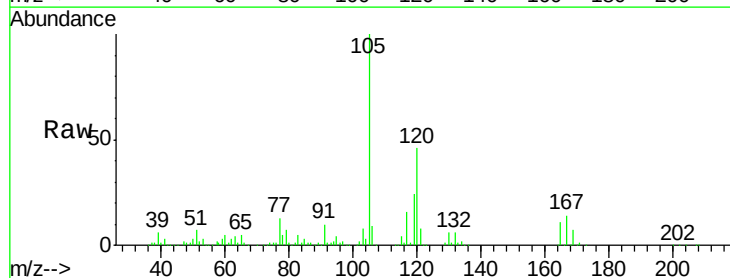
Manual Integrations
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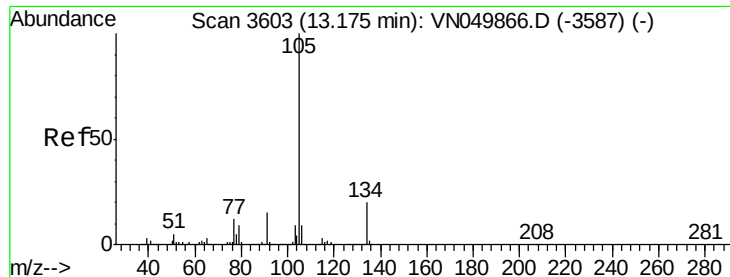
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.20 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.7	68.1





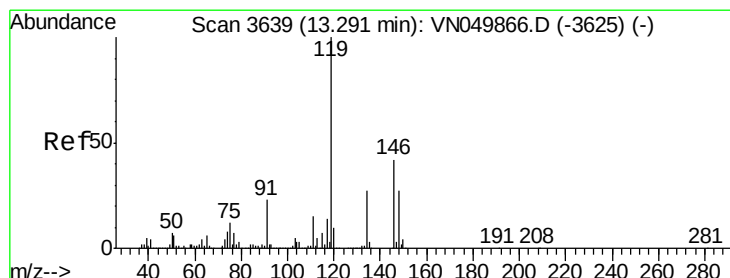
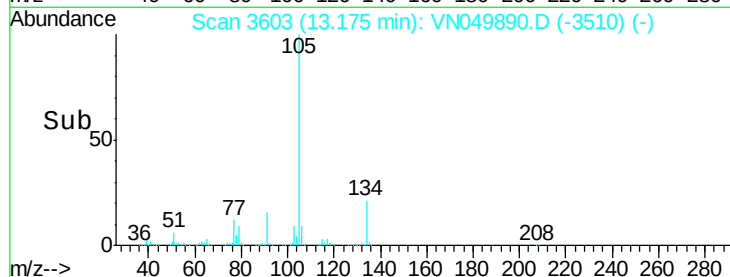
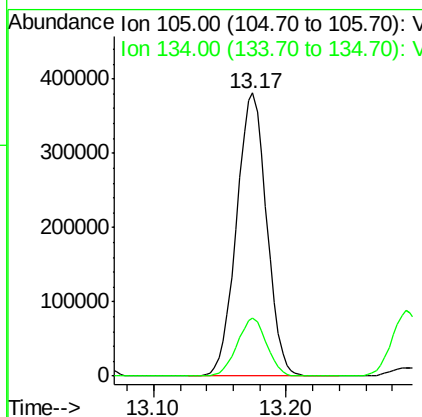
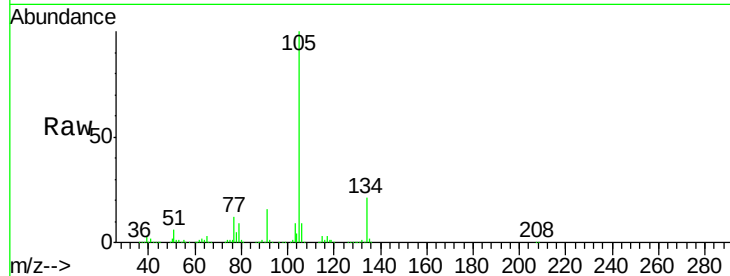
#85
 sec-Butylbenzene
 Concen: 20.69 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.1

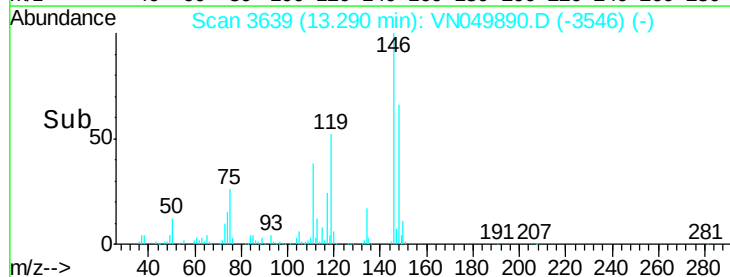
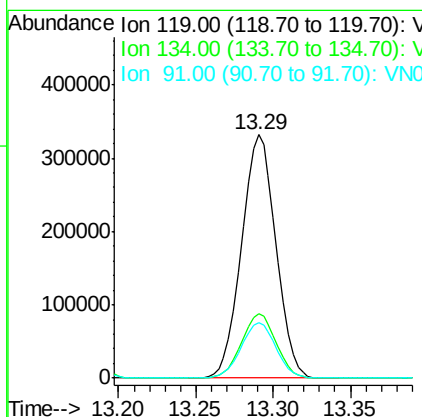
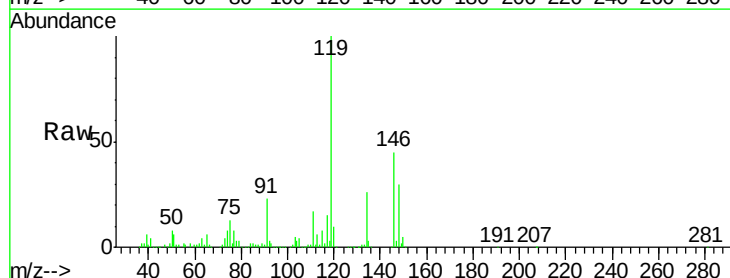
Manual Integrations
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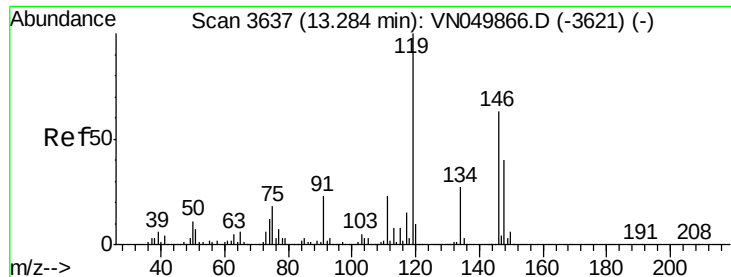
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#86
 p-Isopropyltoluene
 Concen: 20.66 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.3	39.9
91	23.1	11.4	34.1





#87

1,3-Dichlorobenzene

Concen: 19.65 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Instrument :

MSVOA_N

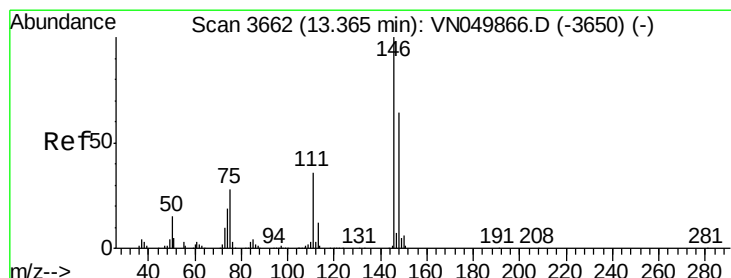
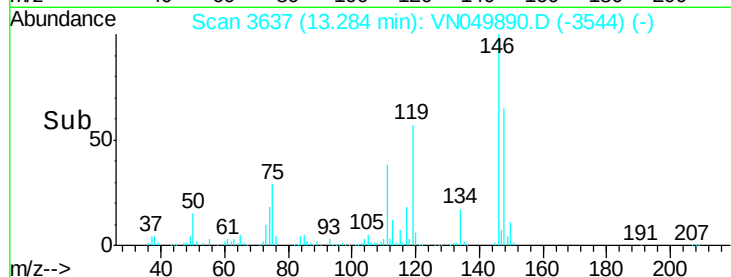
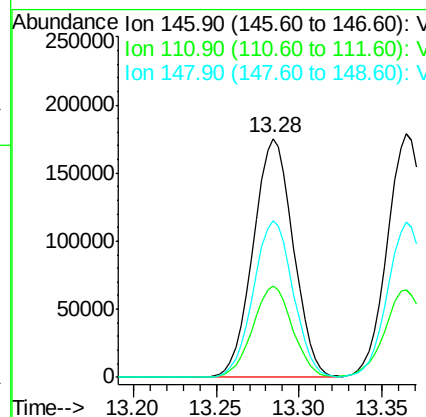
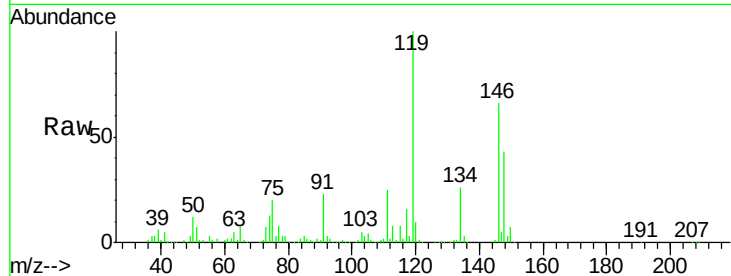
ClientSampleId :

VN0718WBSD02

Tot Ion:	146	Resp:	294592
Ion Ratio	Lower	Upper	
146	100		
111	37.9	19.0	57.0
148	64.9	32.5	97.5

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#88

1,4-Dichlorobenzene

Concen: 19.31 ug/l

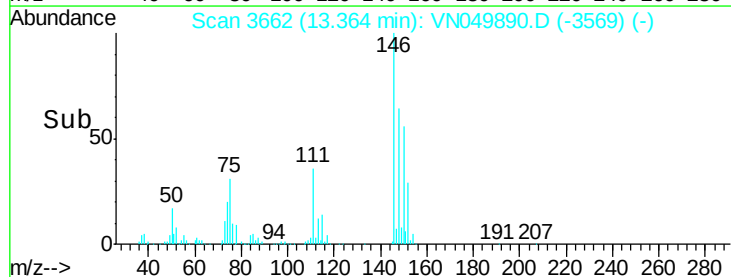
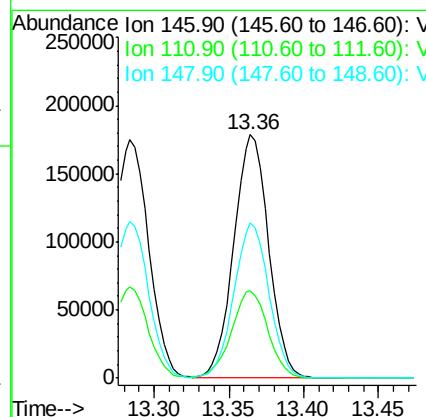
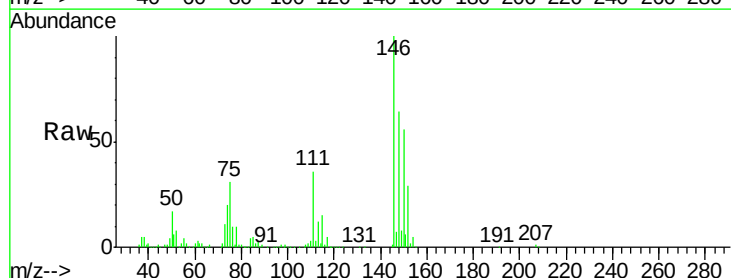
RT: 13.36 min Scan# 3662

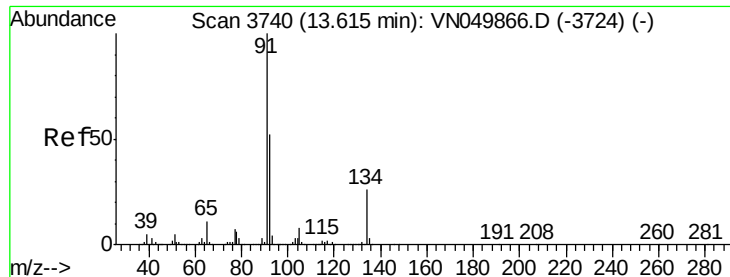
Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Tgt Ion:	146	Resp:	290277
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.9	56.5
148	64.1	32.1	96.3





#89

n-Butylbenzene

Concen: 19.40 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Instrument :

MSVOA_N

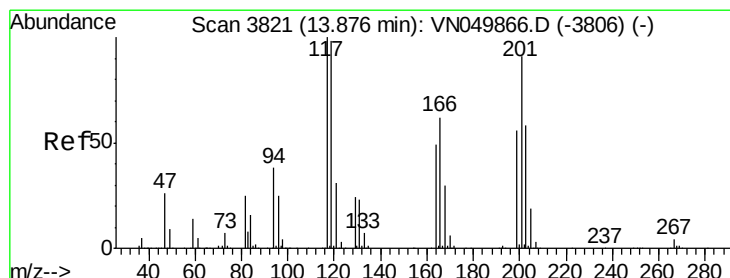
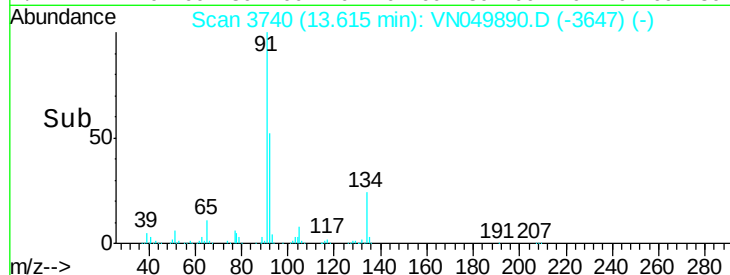
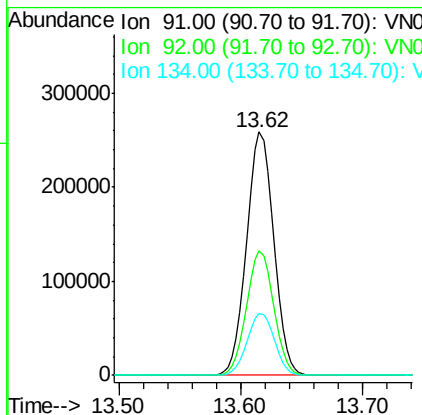
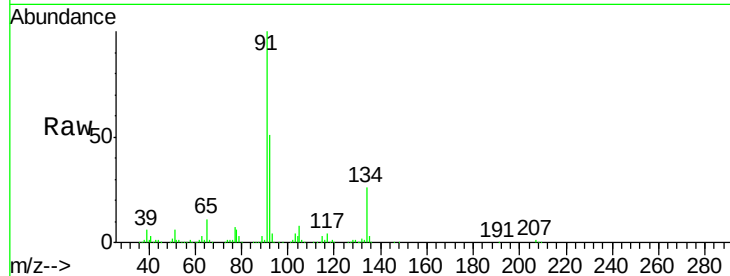
ClientSampled :

VN0718WBSD02

Tot Ion:	91	Resp:	395928
Ion Ratio	Lower	Upper	
91	100		
92	50.9	25.8	77.3
134	25.5	13.0	38.9

Manual Integrations
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#90

Hexachloroethane

Concen: 18.50 ug/l

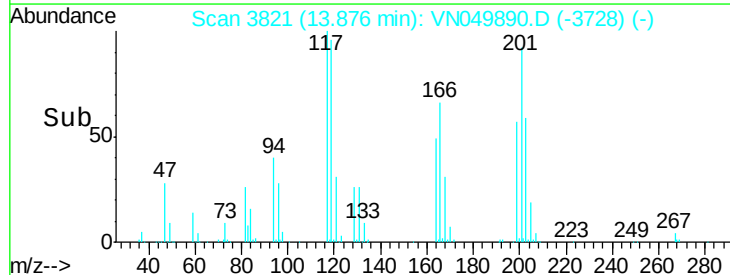
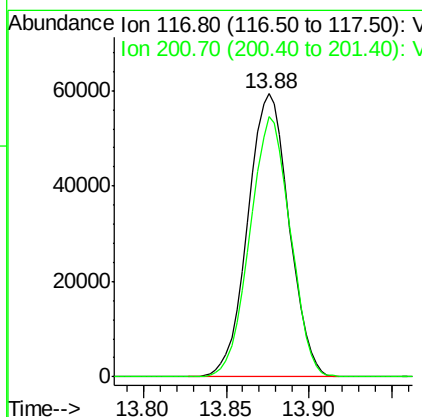
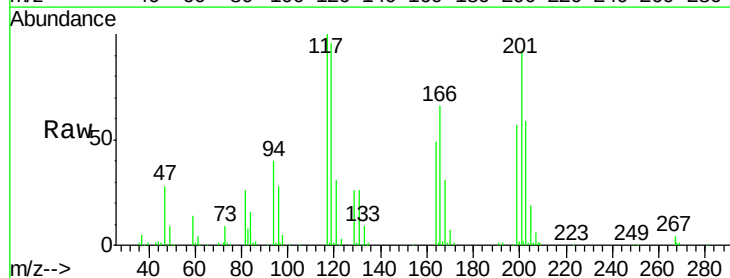
RT: 13.88 min Scan# 3821

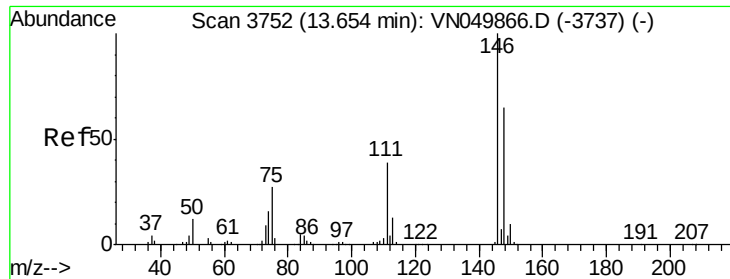
Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Tgt Ion:	117	Resp:	102599
Ion Ratio	Lower	Upper	
117	100		
201	89.7	45.3	135.8





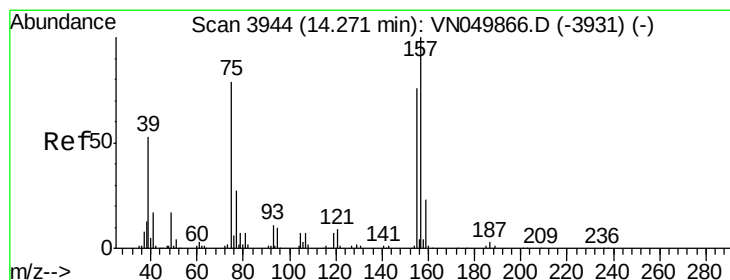
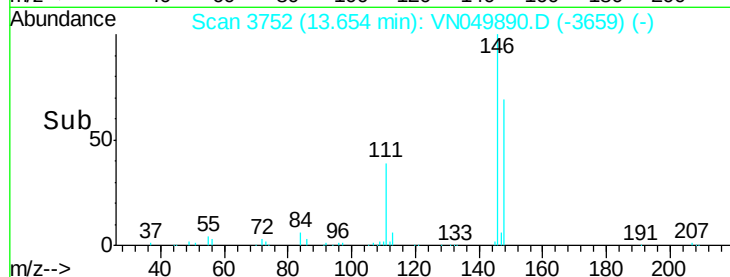
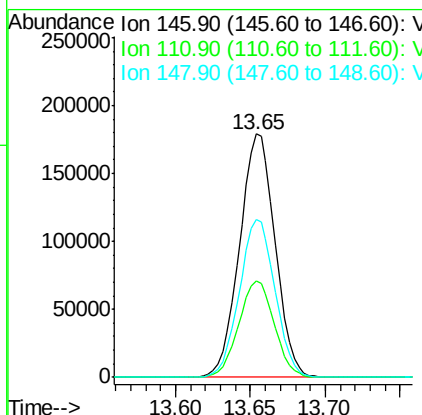
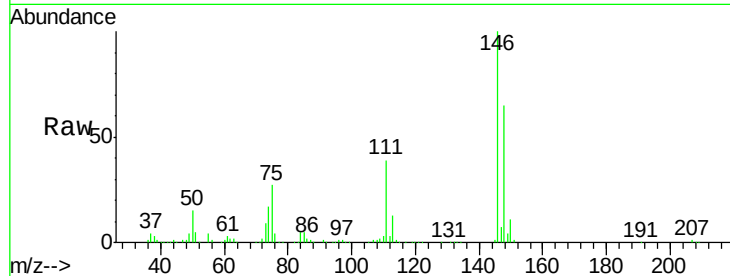
#91
 1,2-Dichlorobenzene
 Concen: 20.07 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.1
148	65.2	32.0	96.2

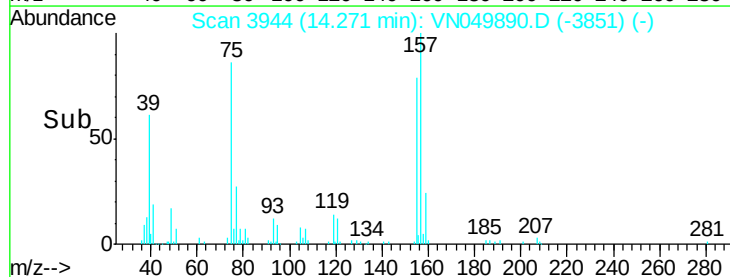
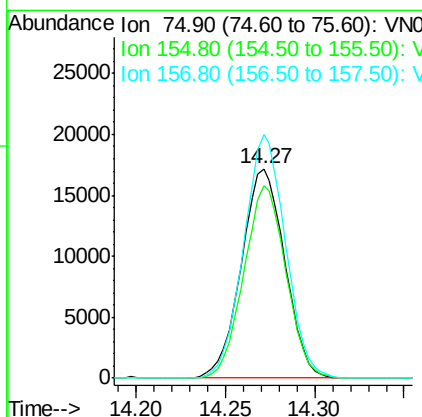
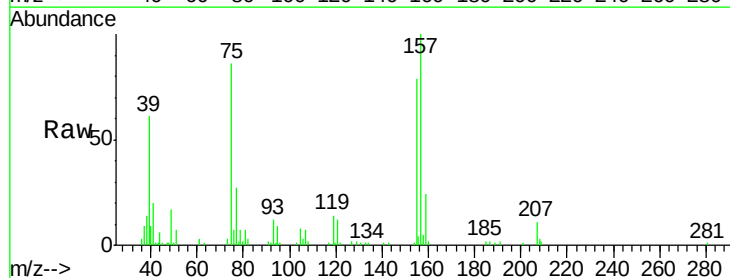
Manual Integrations
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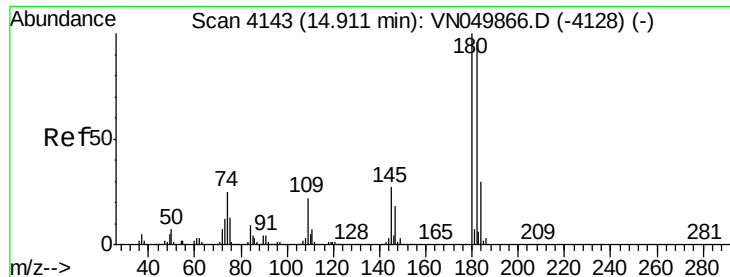
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.28 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.0	45.7	137.1
157	112.2	56.9	170.7





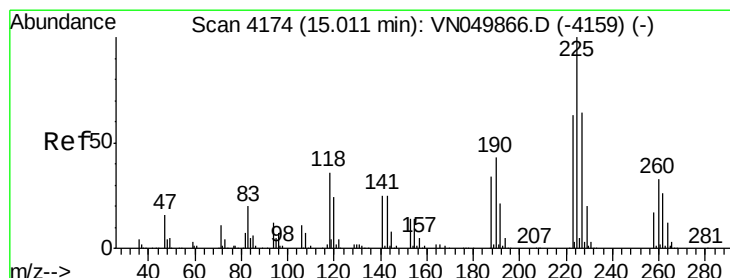
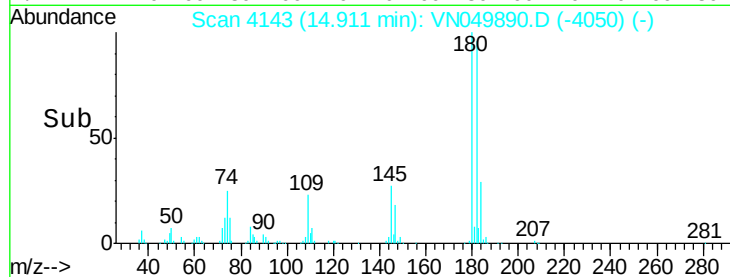
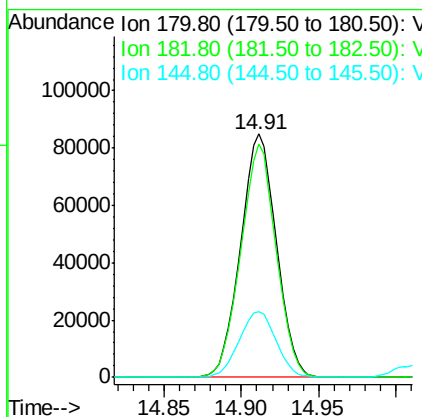
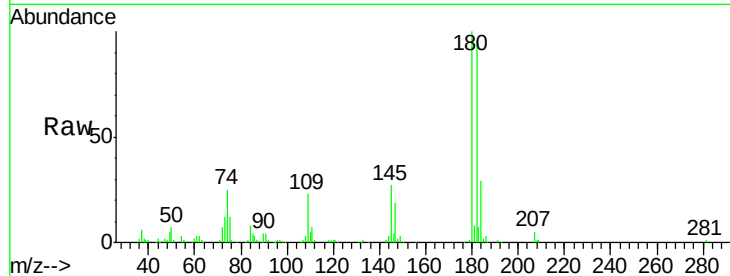
#93
 1,2,4-Trichlorobenzene
 Concen: 19.12 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	27.9	14.4	43.0

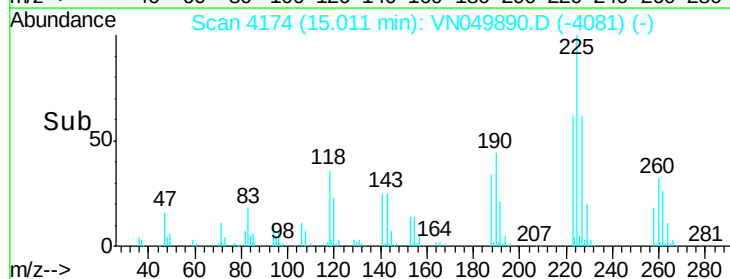
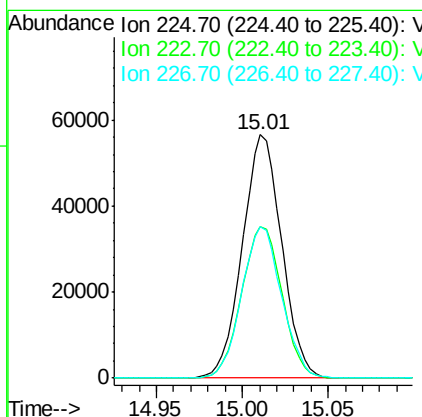
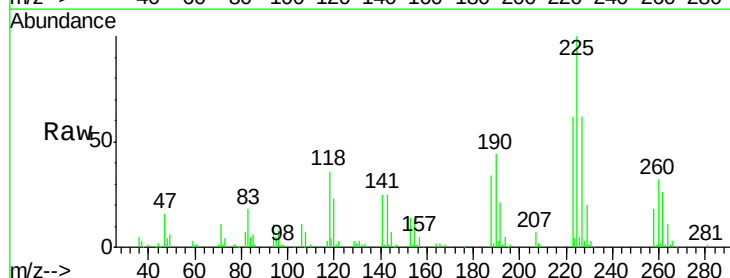
Manual Integrations
 APPROVED

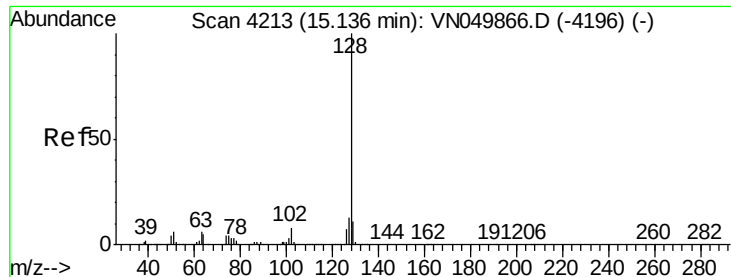
apatel
 7/19/2018 4:30:33 PM



#94
 Hexachlorobutadiene
 Concen: 18.60 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049890.D
 Acq: 18 Jul 2018 23:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	30.9	92.7
227	63.3	31.8	95.4





#95

Naphthalene

Concen: 18.59 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Instrument :

MSVOA_N

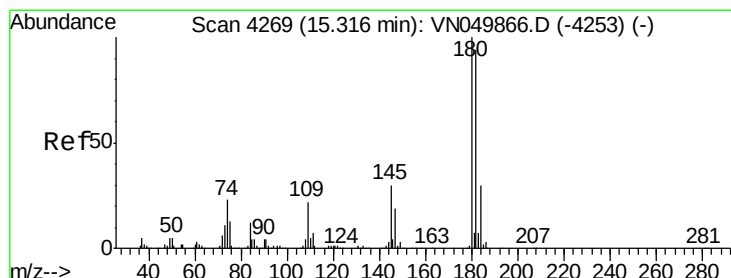
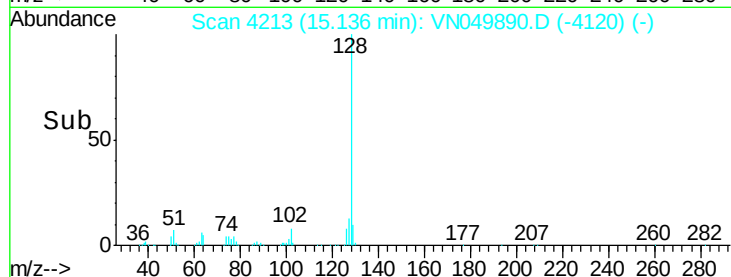
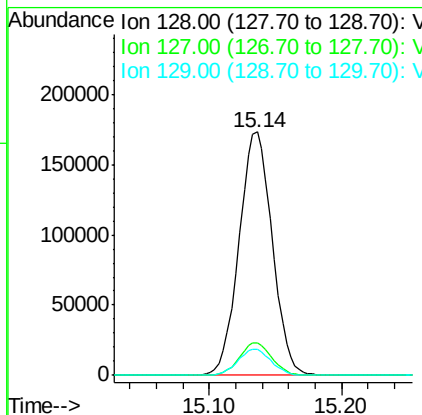
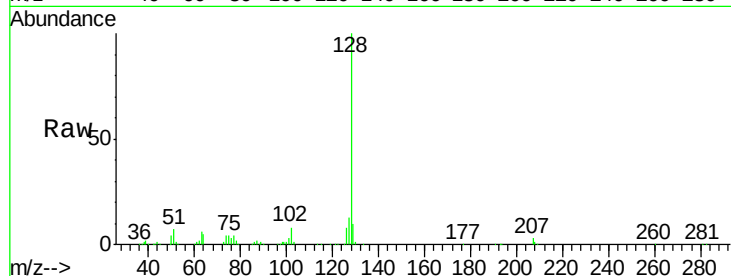
ClientSampleId :

VN0718WBSD02

Tot Ion:	128	Resp:	300913
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

apatel
7/19/2018 4:30:33 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.91 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049890.D

Acq: 18 Jul 2018 23:41

Tgt Ion:	180	Resp:	140822
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.4	142.2
145	30.5	15.2	45.6

