

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049901.D
 Acq On : 19 Jul 2018 4:27
 Operator : MD\SY
 Sample : VN0718WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS03

Manual Integrations
 APPROVED

apatel
 7/19/2018 4:30:17 PM

Quant Time: Jul 19 08:29:12 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	610722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	931840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	830220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	418111	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	440963	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
35) Dibromofluoromethane	7.59	113	392097	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
50) Toluene-d8	10.09	98	1448227	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.40	95	469589	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	116783	20.11	ug/l	96
3) Chloromethane	2.06	50	154797	18.57	ug/l	100
4) Vinyl Chloride	2.18	62	171453	19.28	ug/l	100
5) Bromomethane	2.57	94	102402	19.43	ug/l	98
6) Chloroethane	2.70	64	111410	19.19	ug/l	98
7) Trichlorofluoromethane	3.01	101	236386	19.34	ug/l	100
8) Diethyl Ether	3.41	74	85383	20.02	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	143975	19.10	ug/l	100
10) Methyl Iodide	3.95	142	196193	19.40	ug/l	98
11) Tert butyl alcohol	4.81	59	56935	95.21	ug/l	98
12) 1,1-Dichloroethene	3.73	96	129012	19.49	ug/l	98
13) Acrolein	3.61	56	35785	92.87	ug/l	98
14) Allyl chloride	4.32	41	199062	19.07	ug/l	97
15) Acrylonitrile	4.99	53	257711	97.99	ug/l	99
16) Acetone	3.82	43	193022	88.82	ug/l	98
17) Carbon Disulfide	4.05	76	359181	18.13	ug/l	99
18) Methyl Acetate	4.33	43	153128	21.96	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	376828	20.68	ug/l	98
20) Methylene Chloride	4.55	84	153577	18.58	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	138923	19.76	ug/l	99
22) Diisopropyl ether	5.96	45	454132	21.32	ug/l	98
23) Vinyl Acetate	5.90	43	1509621	101.02	ug/l	100
24) 1,1-Dichloroethane	5.85	63	271958	19.89	ug/l	99
25) 2-Butanone	6.84	43	294157	94.70	ug/l	99
26) 2,2-Dichloropropane	6.82	77	166482	15.65	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	160484	20.80	ug/l	97
28) Bromochloromethane	7.19	49	131684	21.32	ug/l	99
29) Tetrahydrofuran	7.22	42	195273	99.80	ug/l	99
30) Chloroform	7.37	83	279535	19.91	ug/l	98
31) Cyclohexane	7.66	56	223828	20.11	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	238048	19.62	ug/l	99
36) 1,1-Dichloropropene	7.79	75	203190	19.61	ug/l	100
37) Ethyl Acetate	6.94	43	135568	19.05	ug/l	100
38) Carbon Tetrachloride	7.77	117	210581	18.97	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	200996	18.78	ug/l	97
40) Benzene	8.04	78	615585	19.49	ug/l	99
41) Methacrylonitrile	7.17	41	71541	20.06	ug/l	96
42) 1,2-Dichloroethane	8.13	62	202351	19.35	ug/l	99
43) Isopropyl Acetate	8.17	43	261480	21.04	ug/l	99
44) Trichloroethene	8.83	130	160599	19.40	ug/l	98
45) 1,2-Dichloropropane	9.12	63	164798	19.34	ug/l	99
46) Dibromomethane	9.21	93	100864	19.09	ug/l	100
47) Bromodichloromethane	9.40	83	210057	19.22	ug/l	96
48) Methyl methacrylate	9.20	41	116732	18.72	ug/l	99
49) 1,4-Dioxane	9.20	88	33267	376.11	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	675521	97.22	ug/l	100
52) Toluene	10.16	92	379635	20.15	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	199904	18.50	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	232090	19.44	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	146544	18.83	ug/l	100
56) Ethyl methacrylate	10.43	69	175354	18.21	ug/l	98
57) 1,3-Dichloropropane	10.71	76	240979	19.66	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	431445	104.08	ug/l	99
59) 2-Hexanone	10.75	43	437599	93.76	ug/l	99
60) Dibromochloromethane	10.90	129	161823	18.96	ug/l	100
61) 1,2-Dibromoethane	11.01	107	140352	19.30	ug/l	99
64) Tetrachloroethene	10.63	164	149169	19.99	ug/l	99
65) Chlorobenzene	11.43	112	409005	19.61	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	159061	19.69	ug/l	99
67) Ethyl Benzene	11.51	91	685577	20.26	ug/l	99
68) m/p-Xylenes	11.62	106	534400	41.72	ug/l	99
69) o-Xylene	11.95	106	252971	20.56	ug/l	98
70) Styrene	11.97	104	418712	21.01	ug/l	99
71) Bromoform	12.13	173	110825	19.17	ug/l #	100
73) Isopropylbenzene	12.25	105	684997	21.57	ug/l	100
74) N-amyl acetate	12.07	43	194408	20.11	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	184359	19.37	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	152518m	19.45	ug/l	
77) Bromobenzene	12.53	156	179902	20.51	ug/l	99
78) n-propylbenzene	12.59	91	779937	21.60	ug/l	100
79) 2-Chlorotoluene	12.68	91	473663	21.36	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	568012	22.31	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	44519	17.75	ug/l	98
82) 4-Chlorotoluene	12.77	91	473976	21.31	ug/l	99
83) tert-Butylbenzene	12.99	119	484440	21.67	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	571815	22.17	ug/l	99
85) sec-Butylbenzene	13.17	105	634795	21.49	ug/l	100
86) p-Isopropyltoluene	13.29	119	536643	21.31	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	305367	19.98	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	300015	19.58	ug/l	99
89) n-Butylbenzene	13.62	91	420687	20.23	ug/l	99
90) Hexachloroethane	13.88	117	108551	19.20	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	304287	20.25	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28373	19.30	ug/l	97

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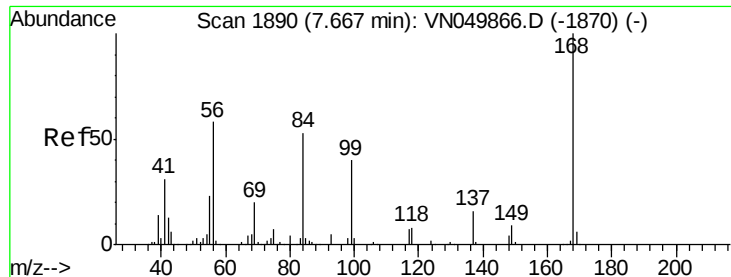
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	134203	18.55	ug/l	98
94) Hexachlorobutadiene	15.01	225	91141	18.51	ug/l	98
95) Naphthalene	15.13	128	290143	17.83	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	138596	19.23	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: VN049901.D

Acq: 19 Jul 2018 4:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS03

Tot Ion:168 Resp: 610722

Ion Ratio Lower Upper

168 100

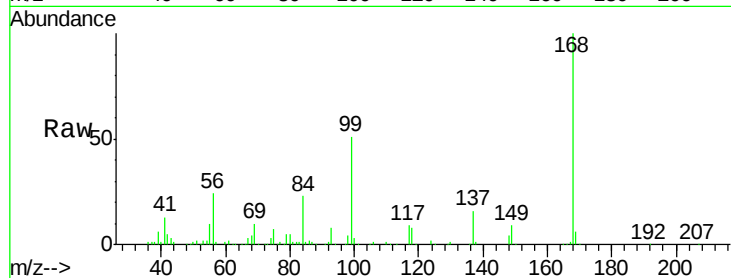
99 50.6 40.6 61.0

Manual Integrations

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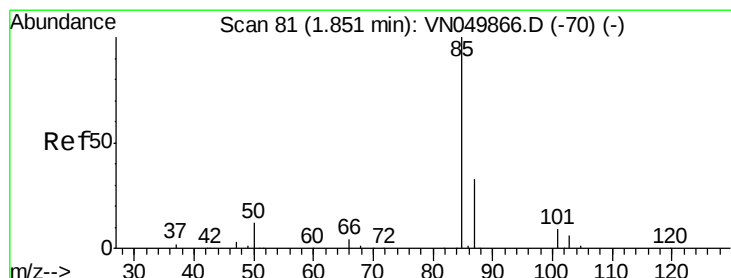
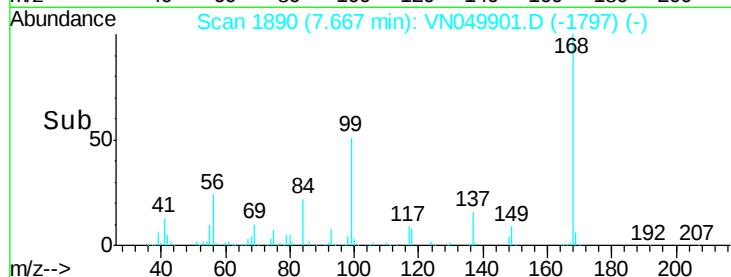
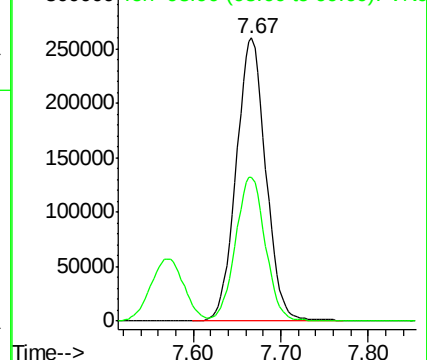
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 20.11 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049901.D

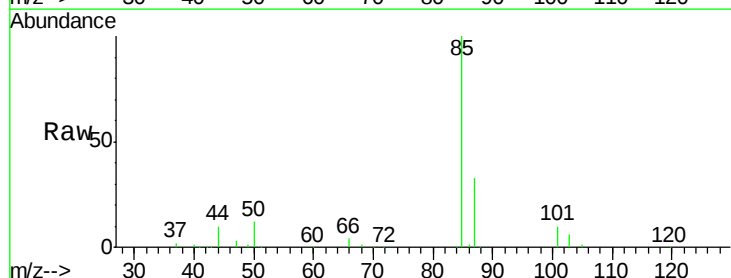
Acq: 19 Jul 2018 4:27

Tgt Ion: 85 Resp: 116783

Ion Ratio Lower Upper

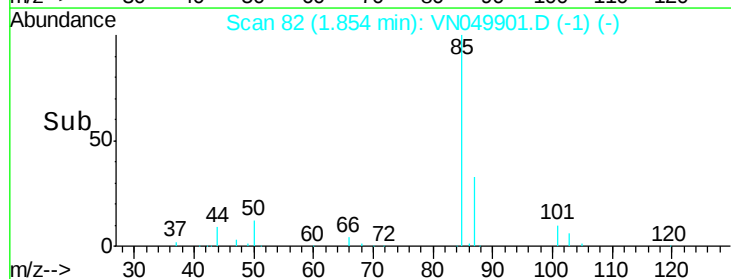
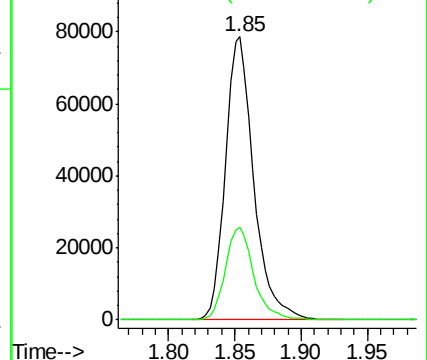
85 100

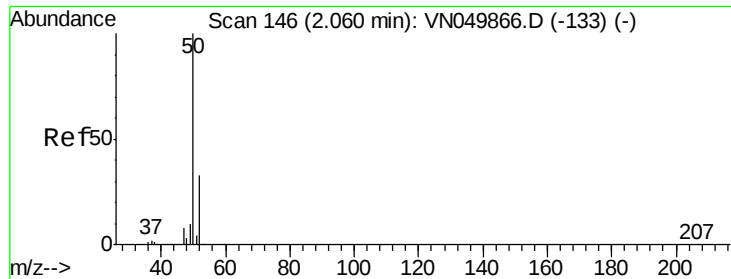
87 32.9 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 18.57 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS03

Tot Ion: 50 Resp: 154797

Ion Ratio Lower Upper

50 100

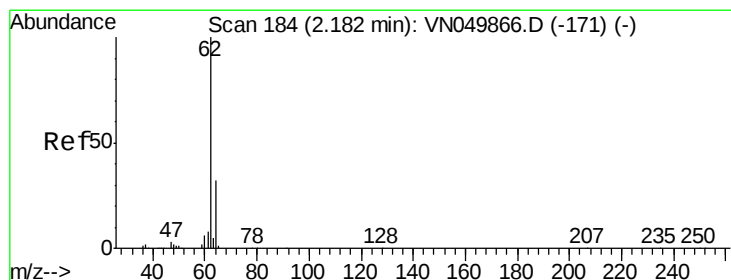
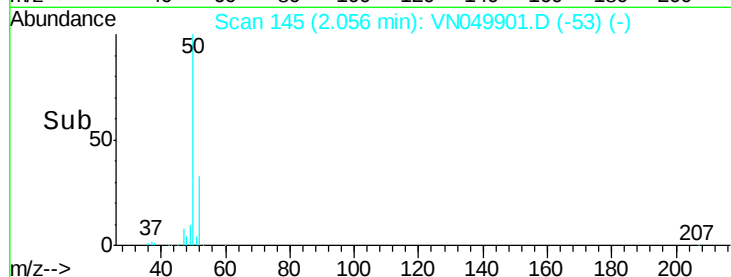
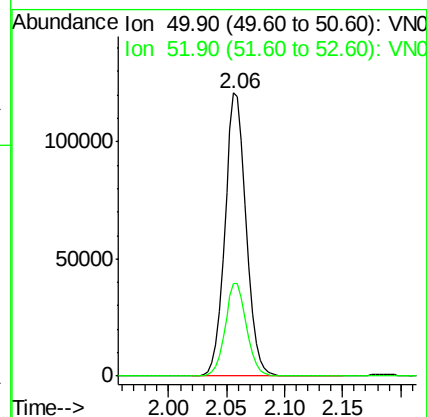
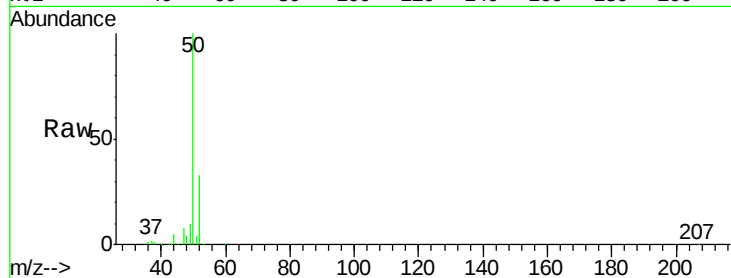
52 32.7 26.1 39.1

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#4

Vinyl Chloride

Concen: 19.28 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049901.D

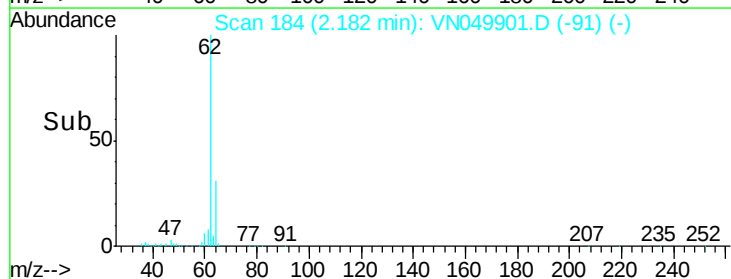
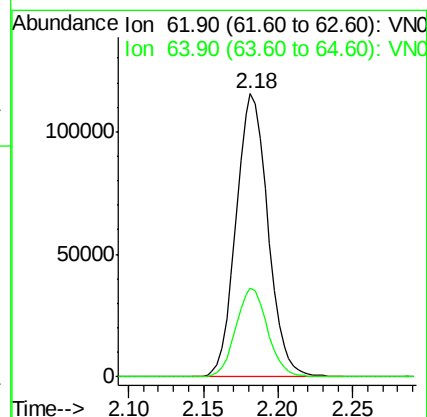
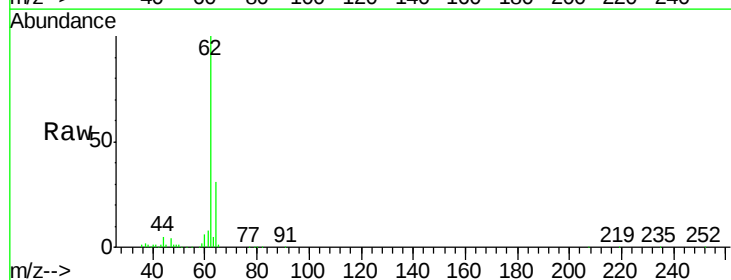
Acq: 19 Jul 2018 4:27

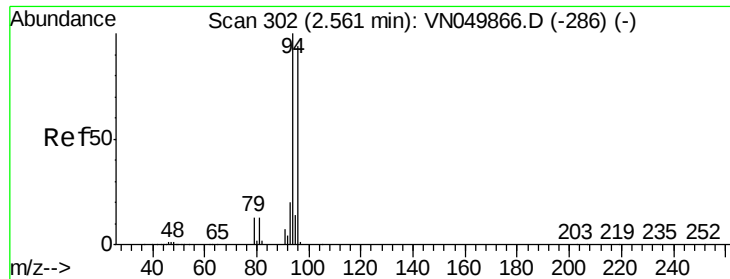
Tgt Ion: 62 Resp: 171453

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.0





#5

Bromomethane

Concen: 19.43 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS03

Tot Ion: 94 Resp: 102402

Ion Ratio Lower Upper

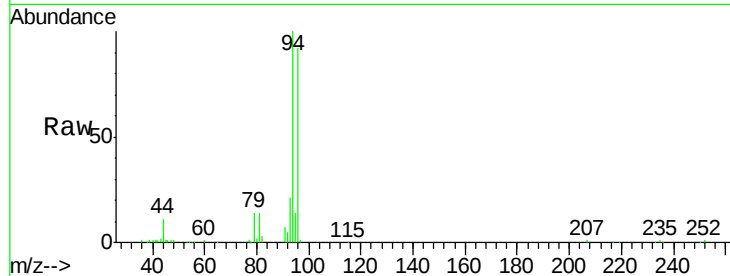
94 100

96 92.4 75.7 113.5

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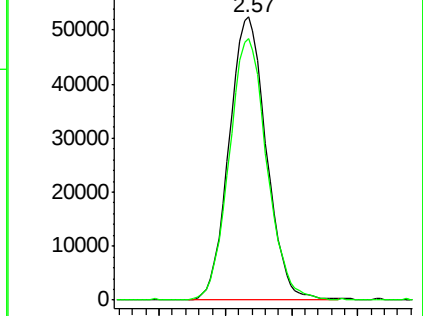
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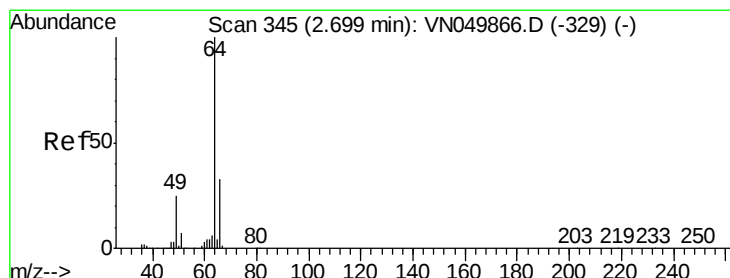
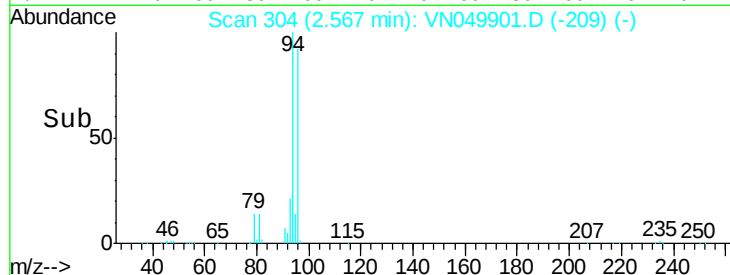


Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



Time-->



#6

Chloroethane

Concen: 19.19 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049901.D

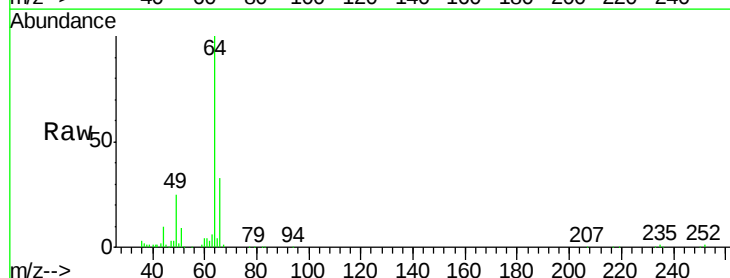
Acq: 19 Jul 2018 4:27

Tgt Ion: 64 Resp: 111410

Ion Ratio Lower Upper

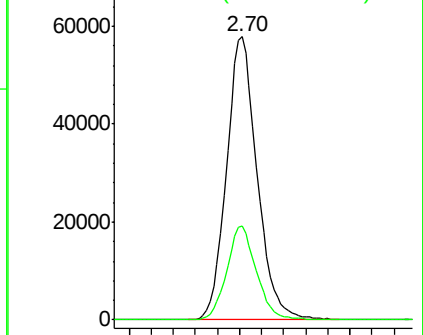
64 100

66 33.2 25.6 38.4

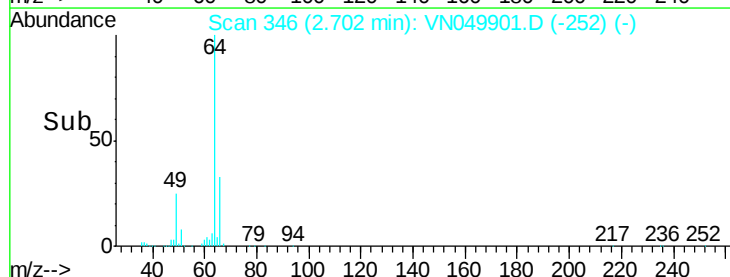


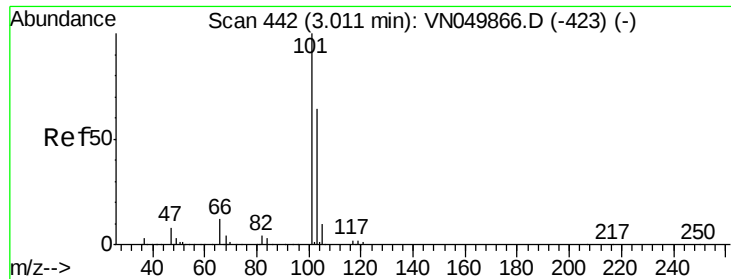
Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC



Time-->





#7

Trichlorofluoromethane

Concen: 19.34 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Instrument :

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VN0718WBS03

Tot Ion:101 Resp: 236386

Ion Ratio Lower Upper

101 100

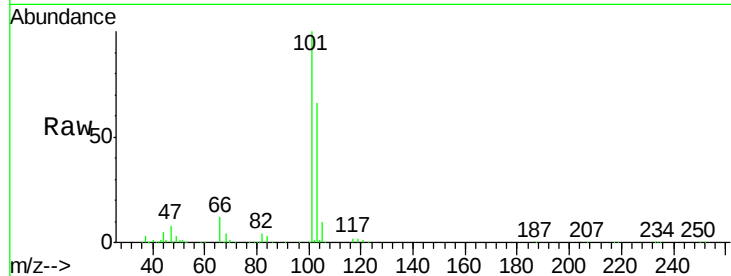
103 65.9 52.8 79.2

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

120000

100000

80000

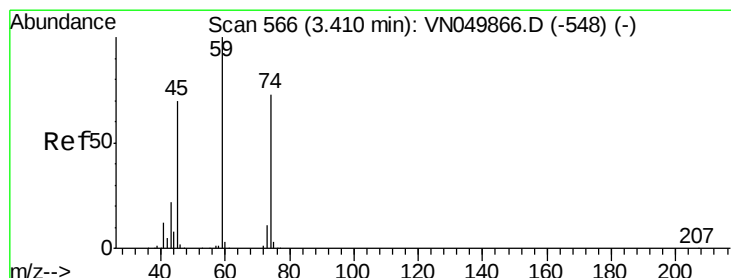
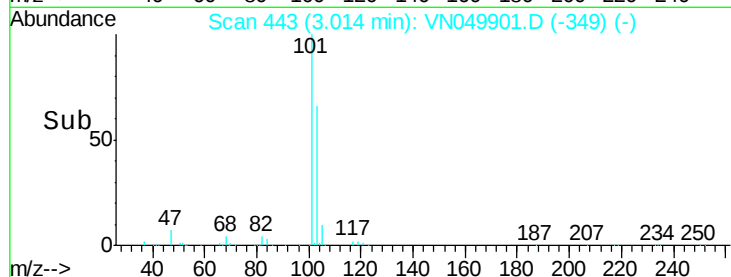
60000

40000

20000

0

Time--> 2.90 3.00 3.10



#8

Diethyl Ether

Concen: 20.02 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN049901.D

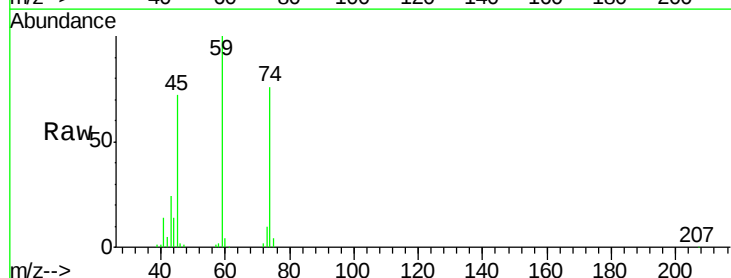
Acq: 19 Jul 2018 4:27

Tgt Ion: 74 Resp: 85383

Ion Ratio Lower Upper

74 100

45 95.2 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V

3.41

40000

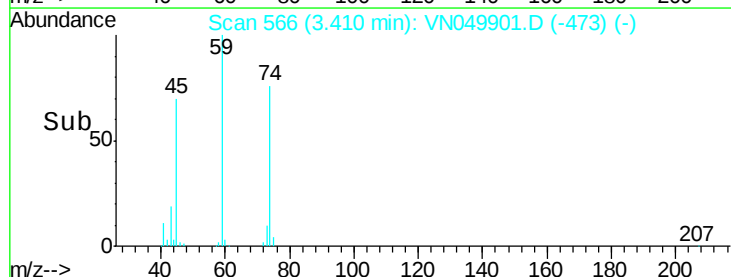
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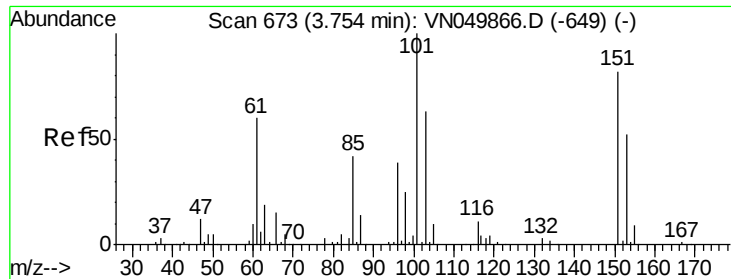
20000

10000

0

Time--> 3.30 3.35 3.40 3.45 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.10 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Instrument :

MSVOA_N

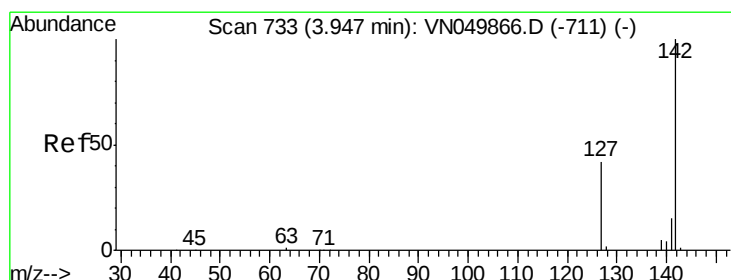
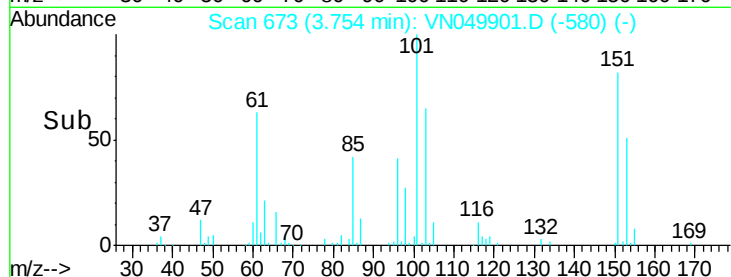
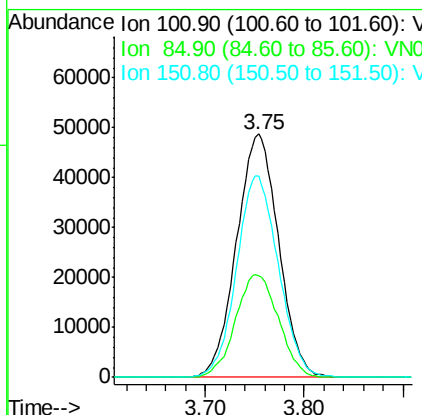
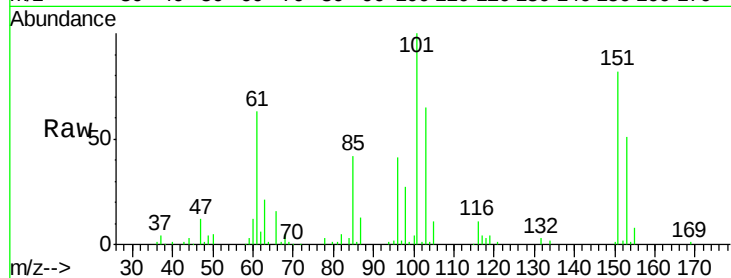
ClientSampleId :

VN0718WBS03

Tot Ion:	101	Resp:	143975
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.4	51.6
151	82.4	66.2	99.4

Manual Integrations
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#10

Methyl Iodide

Concen: 19.40 ug/l

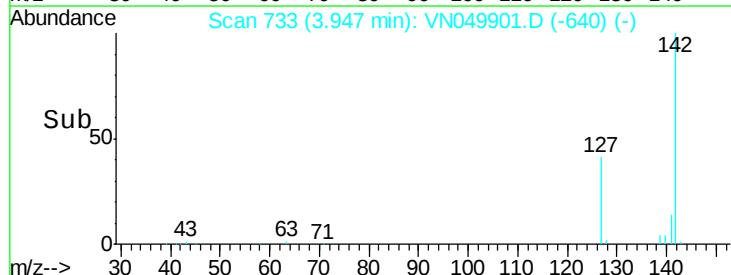
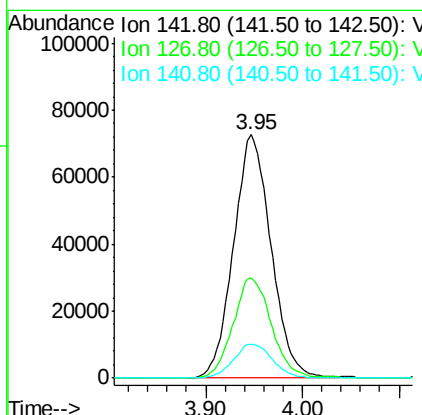
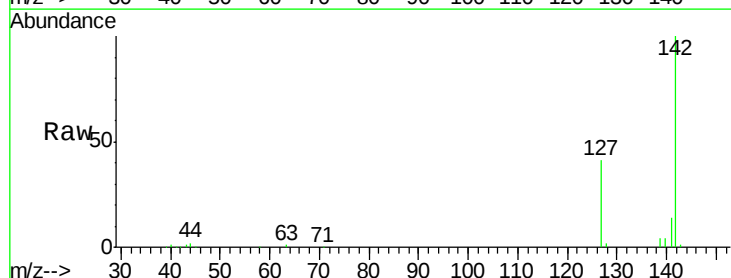
RT: 3.95 min Scan# 733

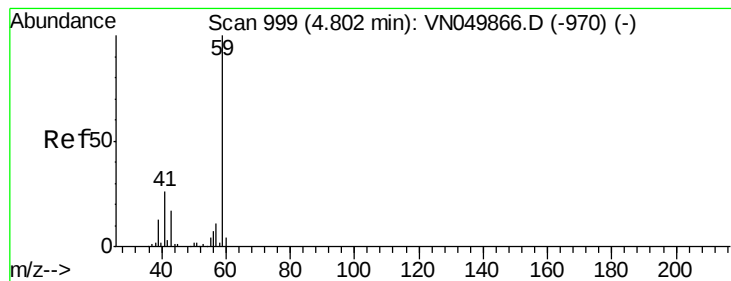
Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Tgt Ion:	142	Resp:	196193
Ion Ratio	Lower	Upper	
142	100		
127	41.8	32.5	48.7
141	14.4	11.1	16.7





#11

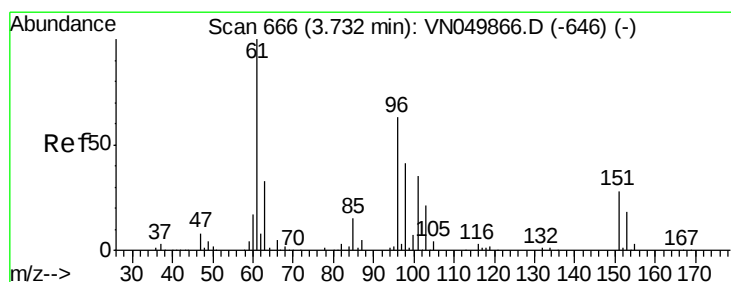
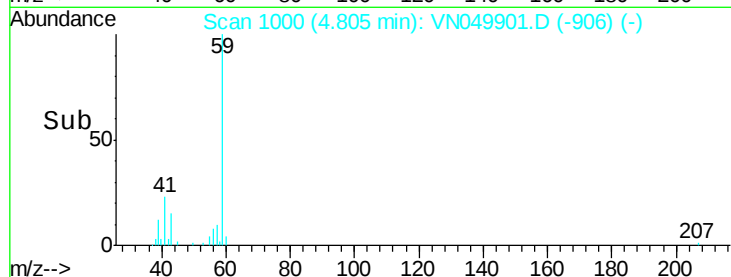
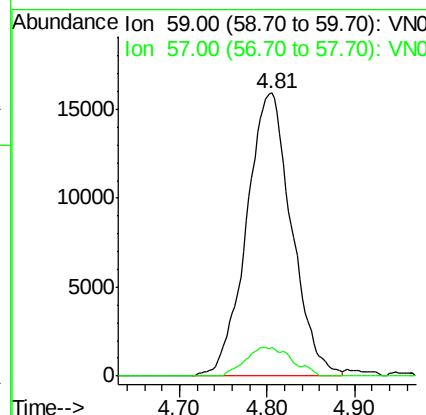
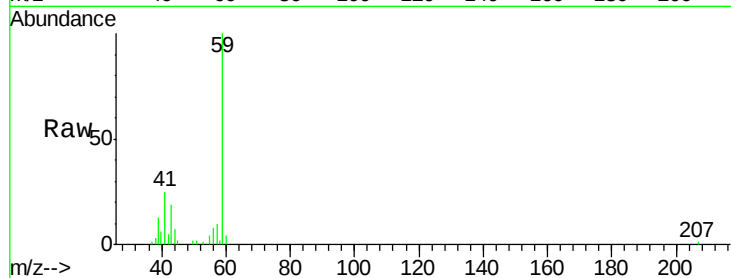
Tert butyl alcohol
Concen: 95.21 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Instrument :
MSVOA_N
ClientSampled :
VN0718WBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	56935		
57	57	9.7		8.5	12.7

Manual Integrations
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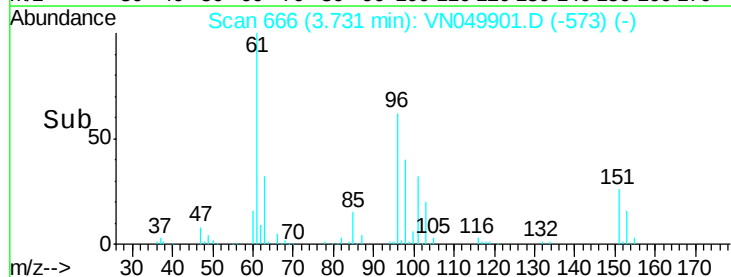
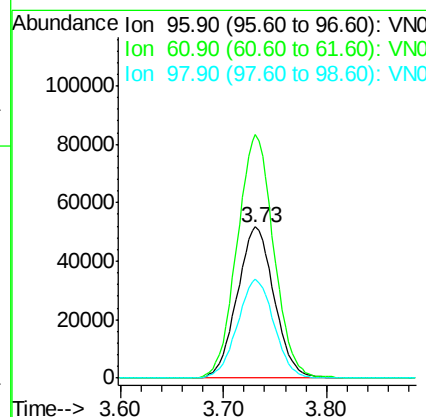
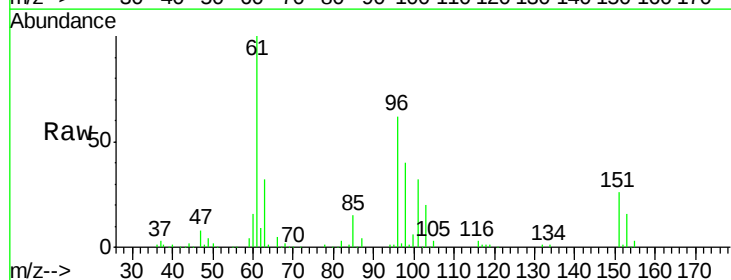
apatel
7/19/2018 4:30:17 PM

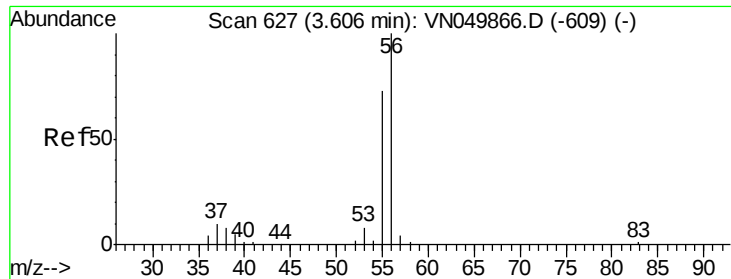


#12

1,1-Dichloroethene
Concen: 19.49 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	129012		
61	61	161.1		126.5	189.7
98	98	65.2		51.0	76.6





#13

Acrolein

Concen: 92.87 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS03

Tot Ion: 56 Resp: 35785

Ion Ratio Lower Upper

56 100

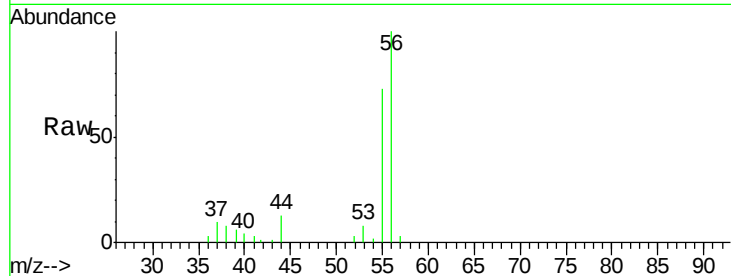
55 68.2 55.8 83.8

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

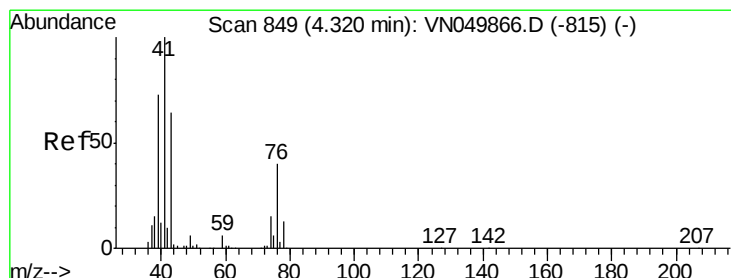
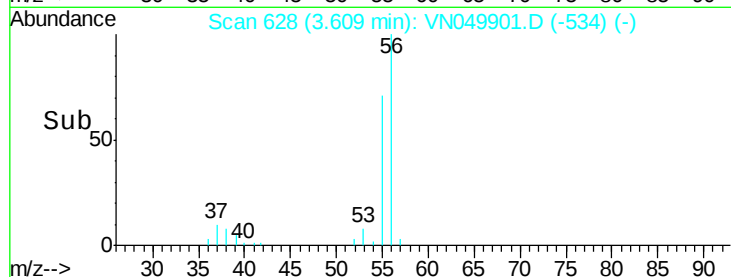
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 19.07 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

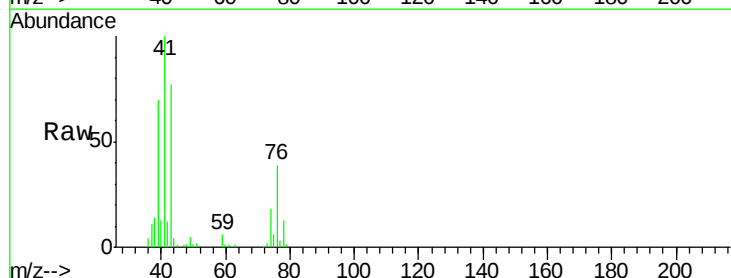
Tgt Ion: 41 Resp: 199062

Ion Ratio Lower Upper

41 100

39 69.0 53.2 79.8

76 37.2 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

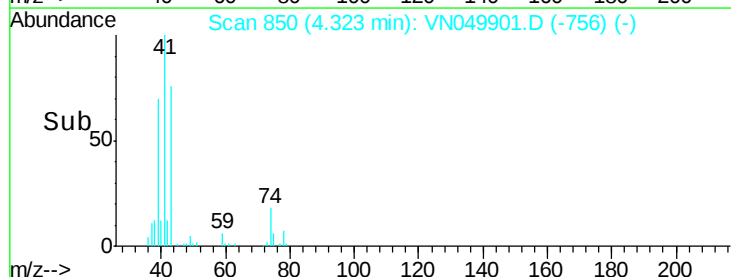
60000

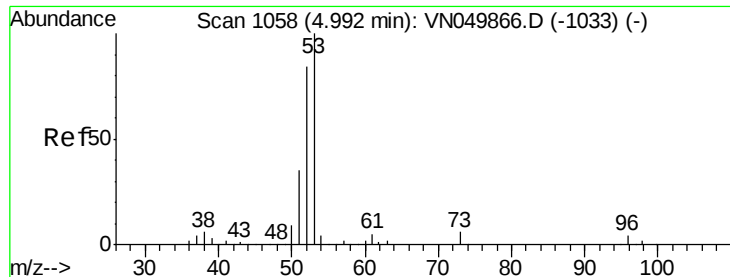
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 97.99 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Instrument :

MSVOA_N

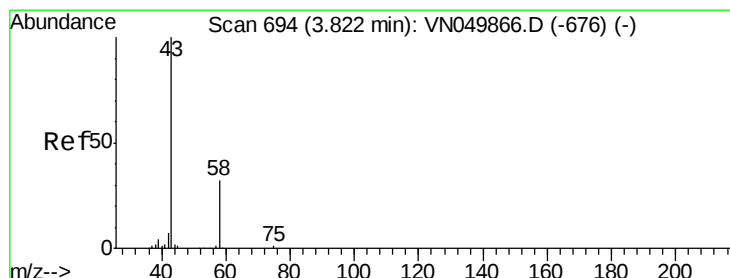
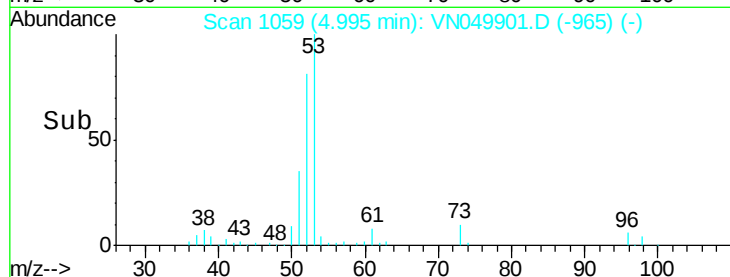
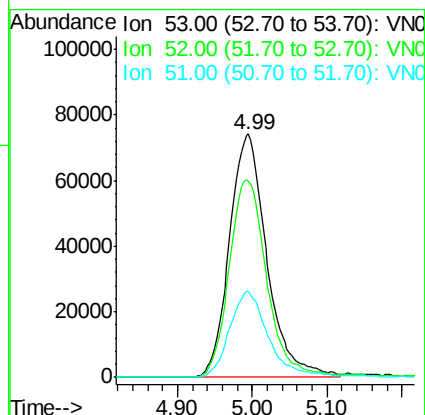
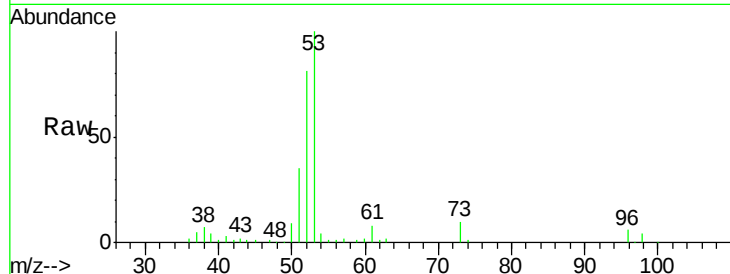
ClientSampleId :

VN0718WBS03

Tot Ion:	53	Resp:	257711
Ion Ratio	Lower	Upper	
53	100		
52	81.4	64.8	97.2
51	36.5	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 88.82 ug/l

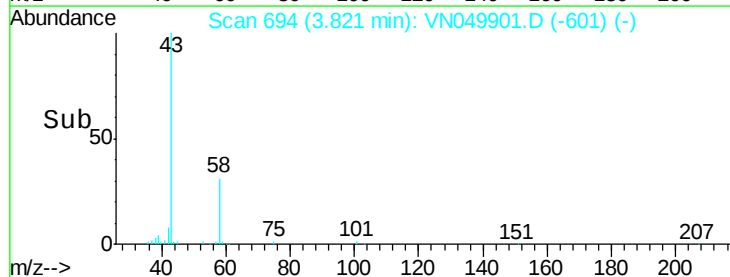
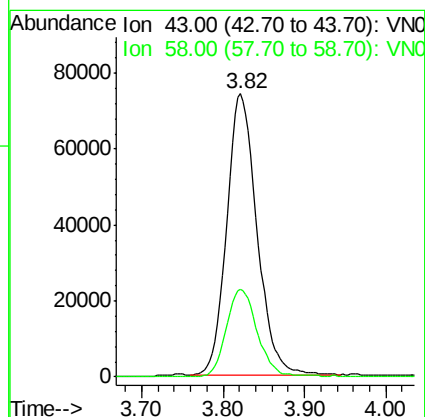
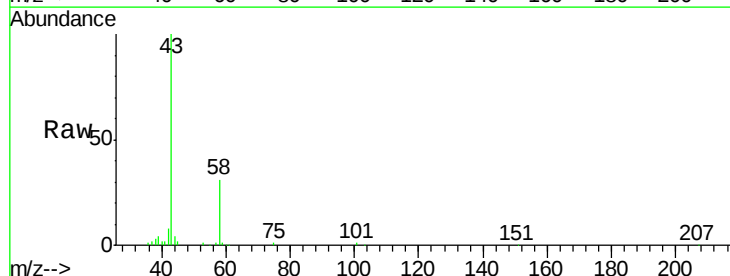
RT: 3.82 min Scan# 694

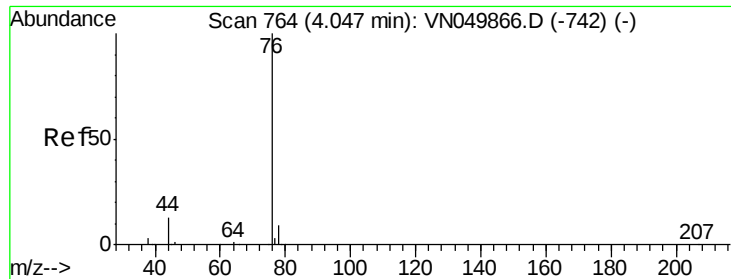
Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Tgt Ion:	43	Resp:	193022
Ion Ratio	Lower	Upper	
43	100		
58	31.3	25.9	38.9





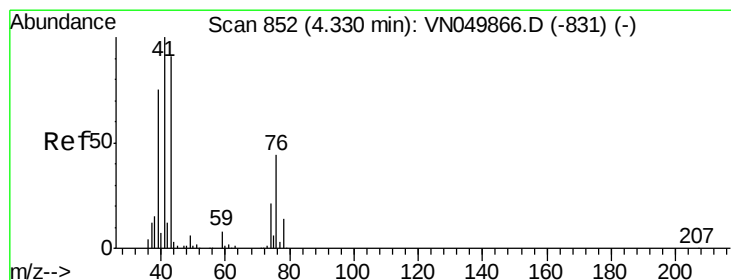
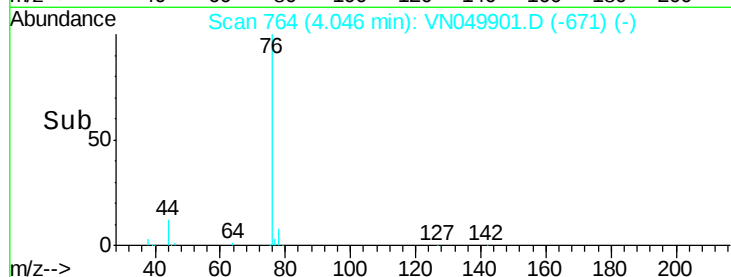
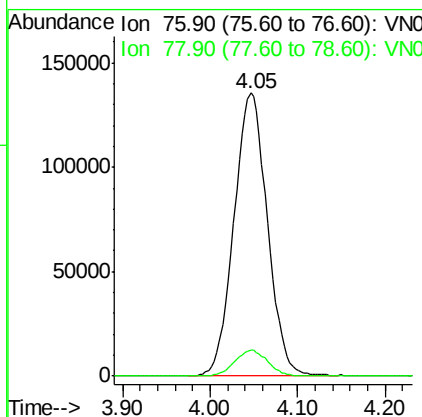
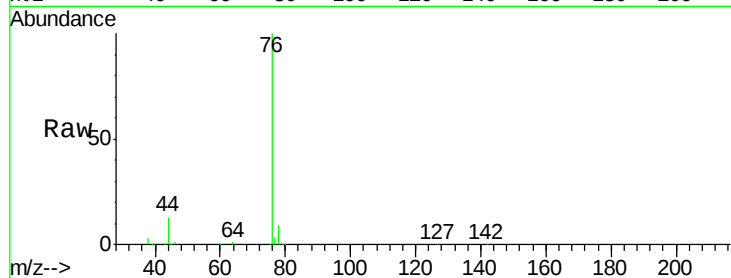
#17
Carbon Disulfide
Concen: 18.13 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

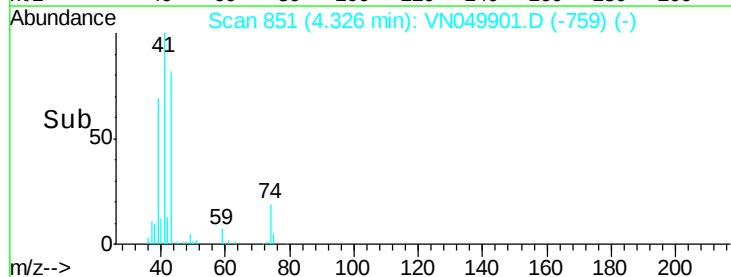
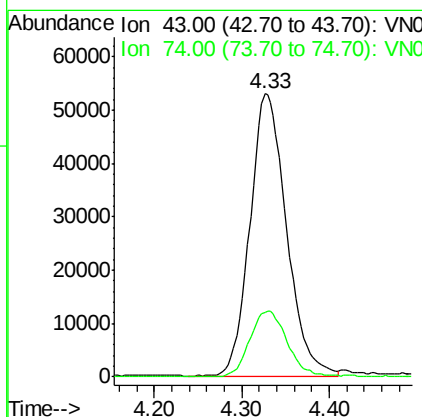
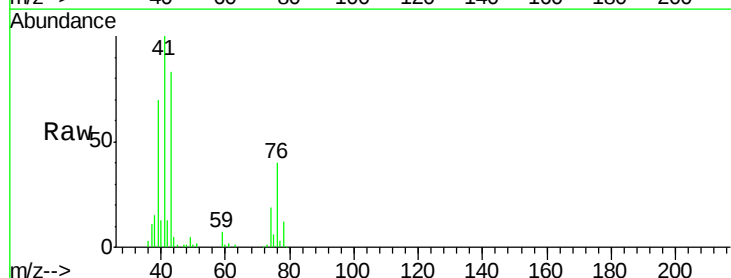
Manual Integrations
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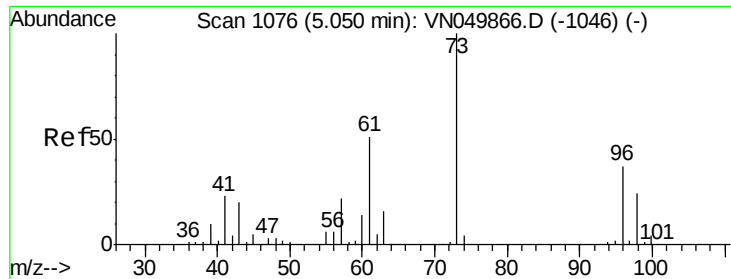
apatel
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#18
Methyl Acetate
Concen: 21.96 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.8	29.8





#19

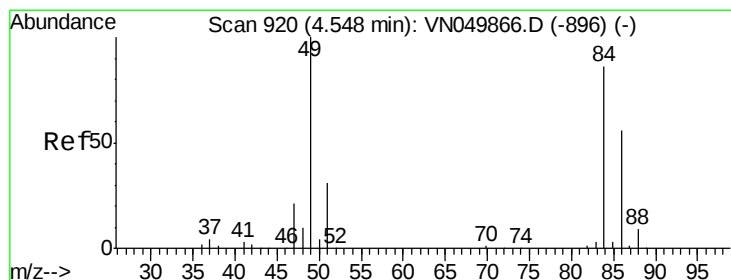
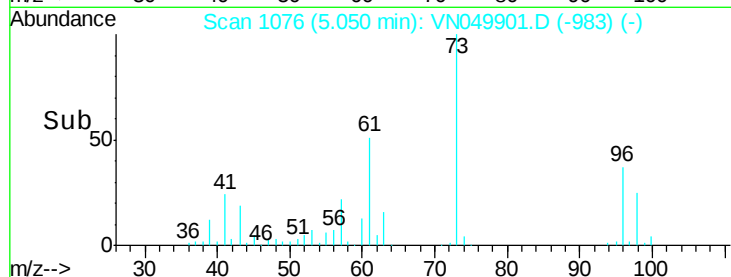
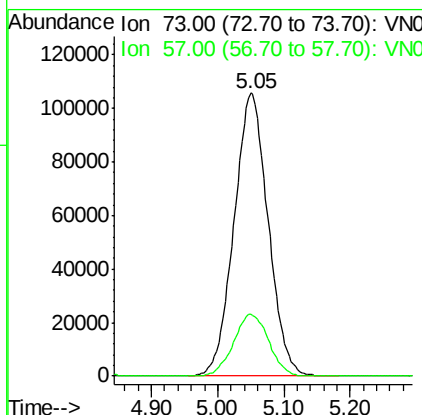
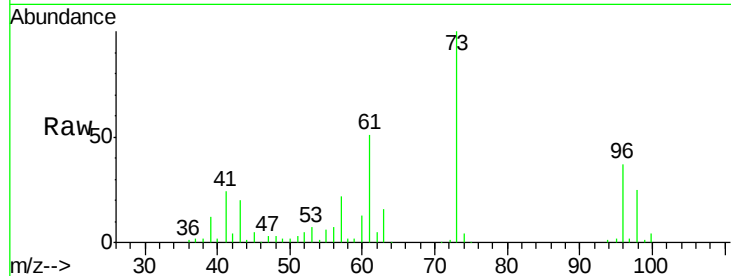
Methyl tert-butyl Ether
 Concen: 20.68 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN049901.D
 Acq: 19 Jul 2018 4:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS03

Tot Ion	73	Resp	376828
Ion Ratio	100	Lower	Upper
57	21.8	18.1	27.1

Manual Integrations
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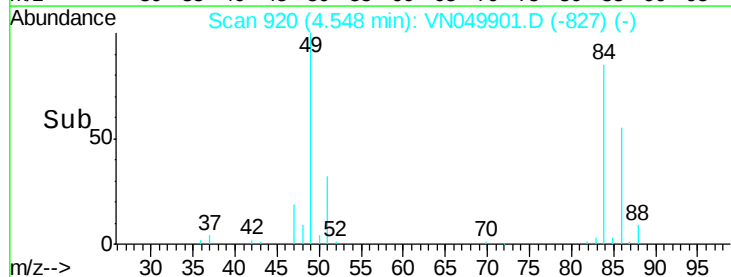
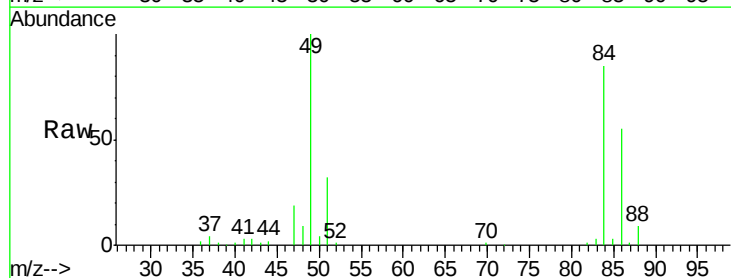
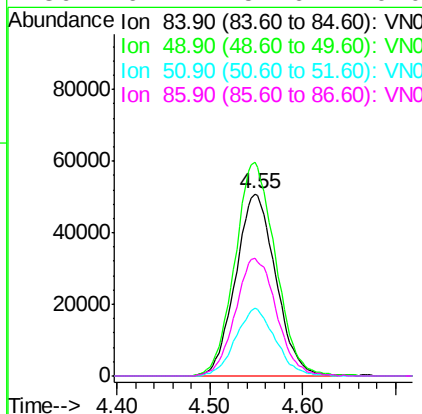
apatel
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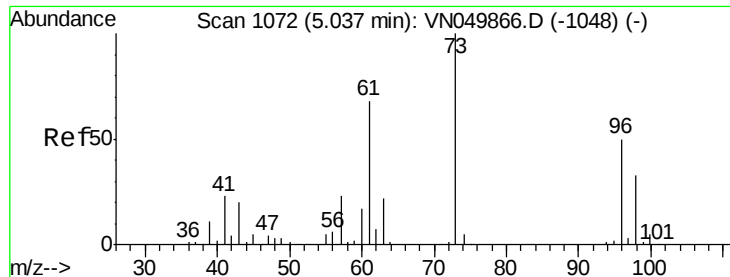


#20

Methylene Chloride
 Concen: 18.58 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN049901.D
 Acq: 19 Jul 2018 4:27

Tgt Ion	84	Resp	153577
Ion Ratio	100	Lower	Upper
49	117.3	95.4	143.2
51	37.1	28.4	42.6
86	64.4	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 19.76 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Instrument :

MSVOA_N

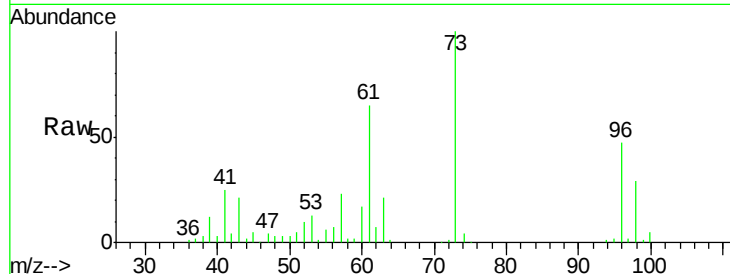
ClientSampleId :

VN0718WBS03

Tot Ion:	96	Resp:	138923
Ion	Ratio	Lower	Upper
96	100		
61	137.1	109.0	163.6
98	62.1	51.1	76.7

Manual Integrations
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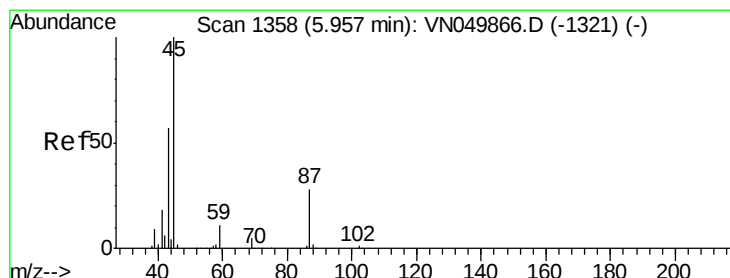
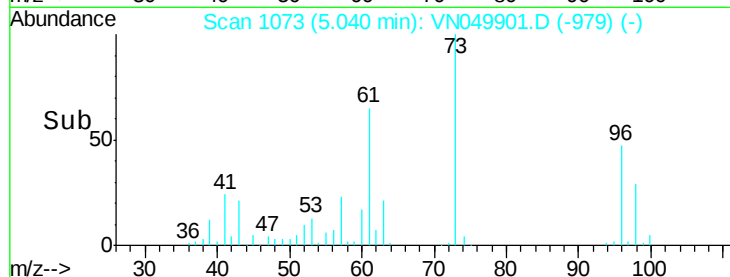
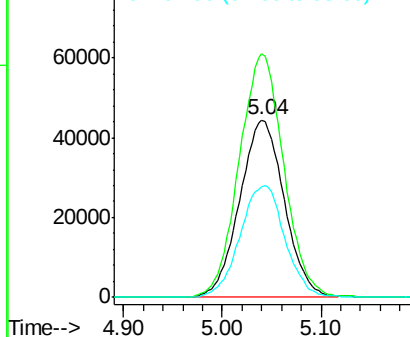


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 21.32 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Tgt Ion:	45	Resp:	454132
Ion	Ratio	Lower	Upper
45	100		
43	58.0	48.1	72.1
87	28.5	22.6	34.0
59	11.9	9.2	13.8

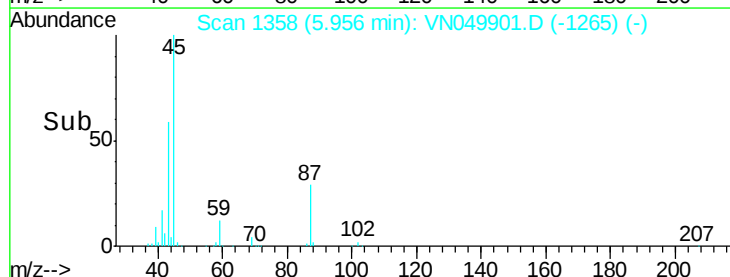
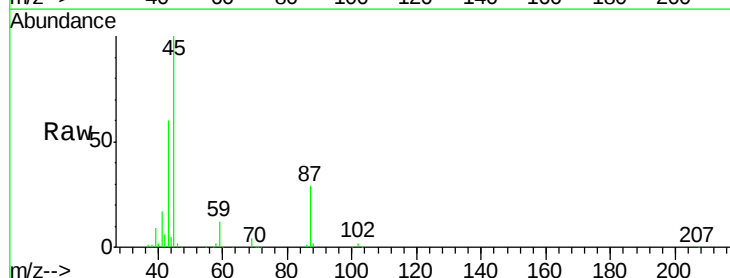
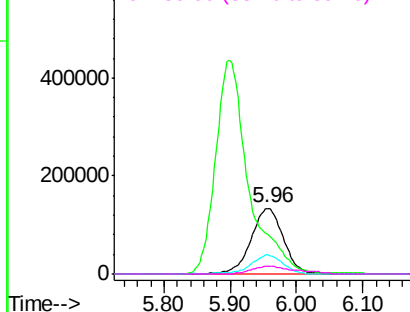
Abundance

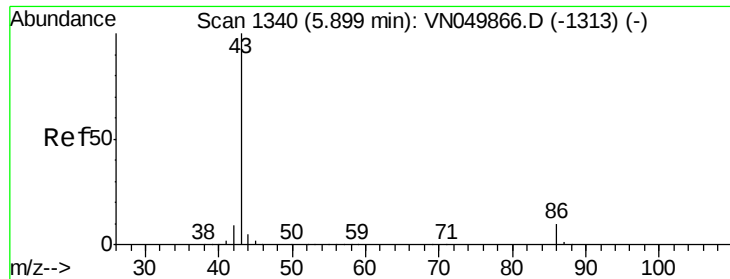
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





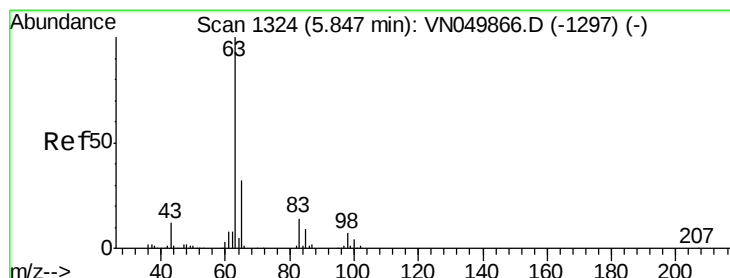
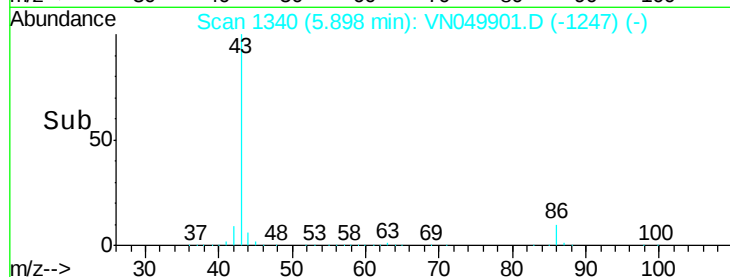
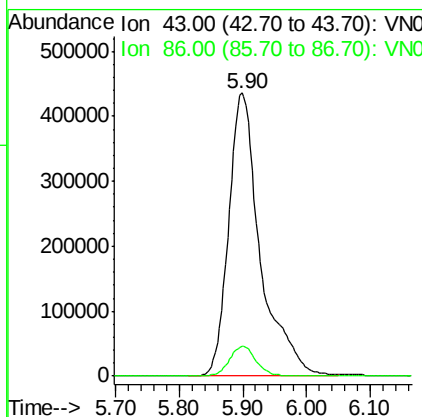
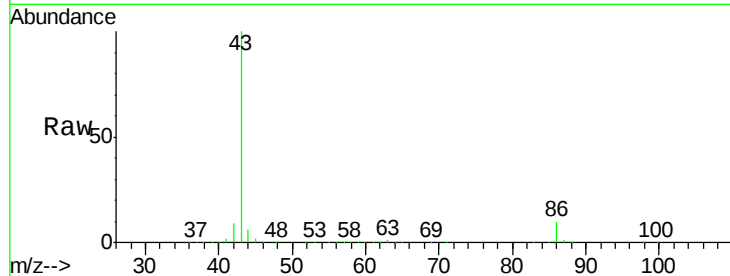
#23
 Vinyl Acetate
 Concen: 101.02 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN049901.D
 Acq: 19 Jul 2018 4:27

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0718WBS03

Tot Ion: 43 Resp: 1509621
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.4 12.6

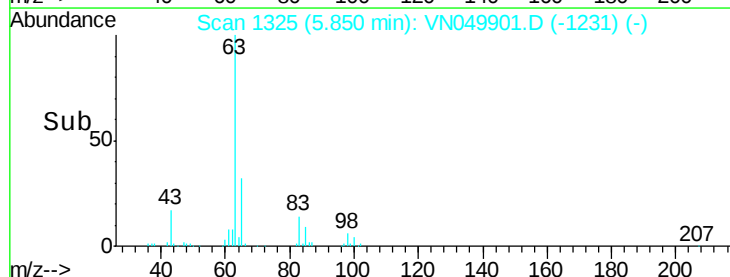
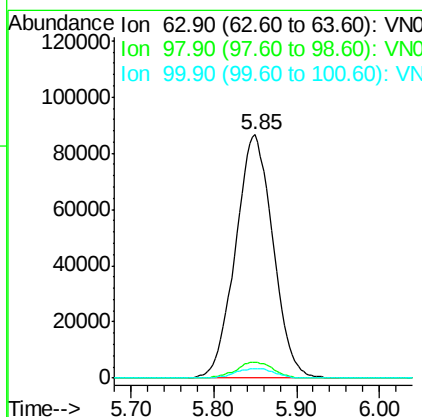
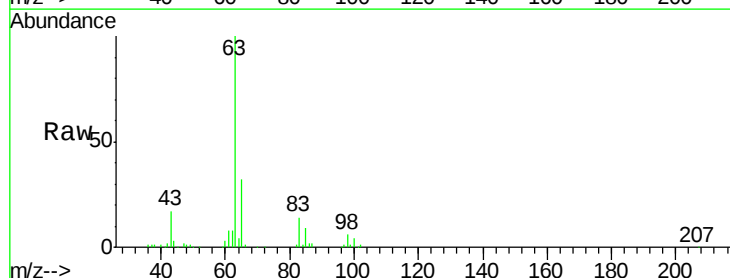
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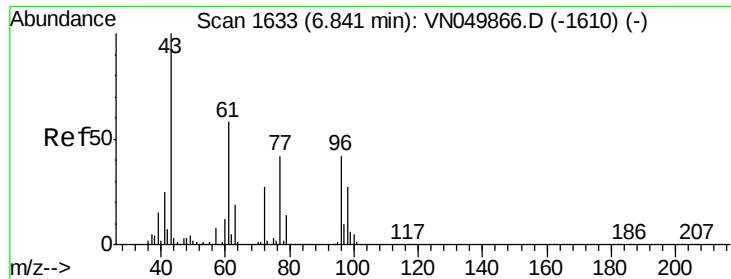
apatel
 7/19/2018 4:30:17 PM



#24
 1,1-Dichloroethane
 Concen: 19.89 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049901.D
 Acq: 19 Jul 2018 4:27

Tgt Ion: 63 Resp: 271958
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.4 10.2
 100 3.9 2.2 6.6





#25

2-Butanone

Concen: 94.70 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Instrument :

MSVOA_N

ClientSampled :

VN0718WBS03

Tot Ion: 43 Resp: 294157

Ion Ratio Lower Upper

43 100

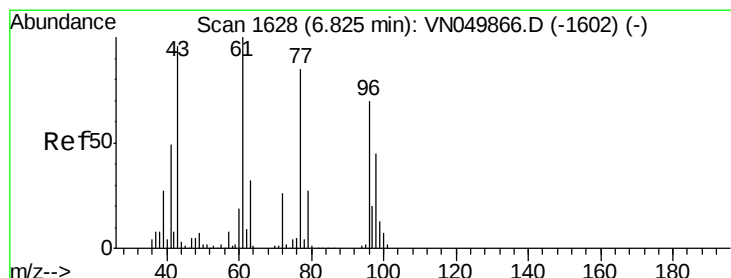
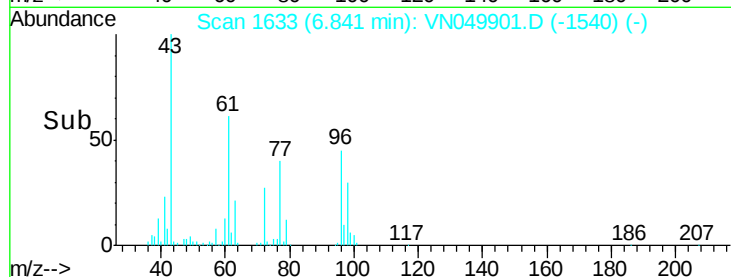
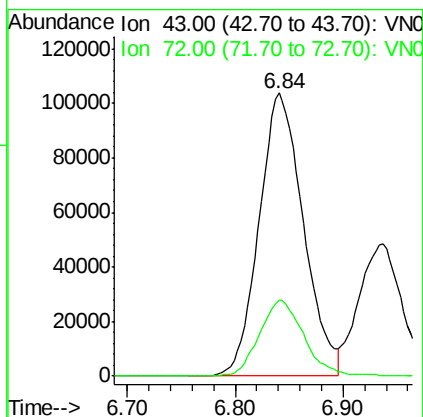
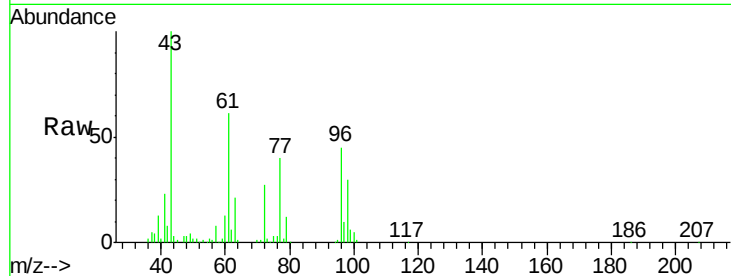
72 26.9 22.1 33.1

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#26

2,2-Dichloropropane

Concen: 15.65 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN049901.D

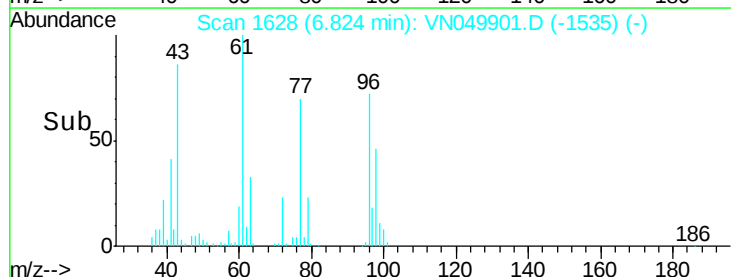
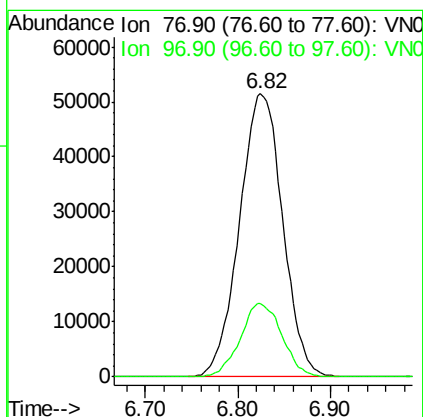
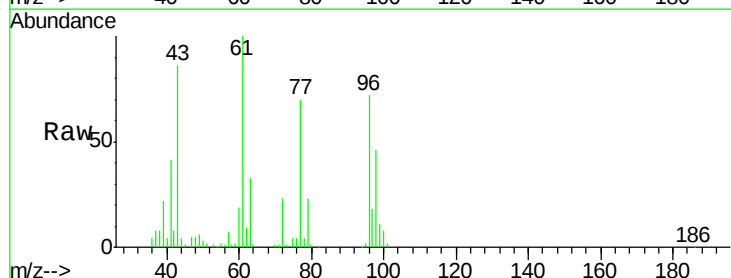
Acq: 19 Jul 2018 4:27

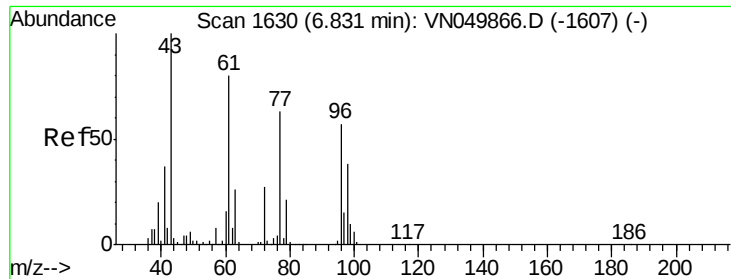
Tgt Ion: 77 Resp: 166482

Ion Ratio Lower Upper

77 100

97 24.9 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 20.80 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN049901.D

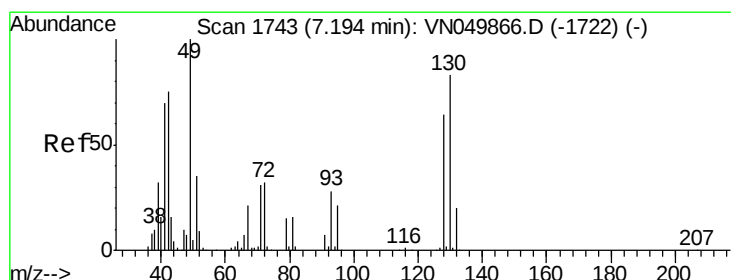
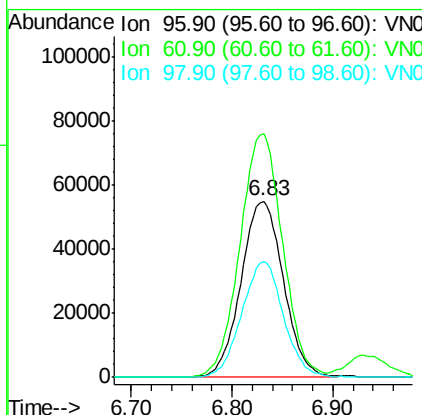
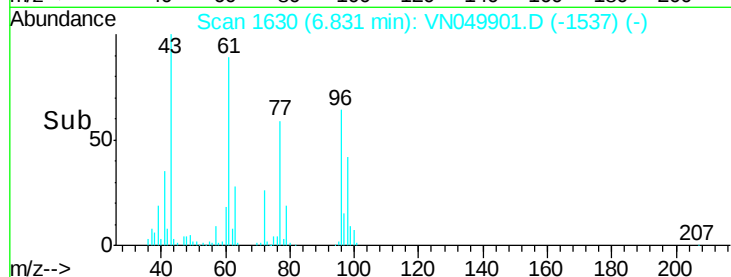
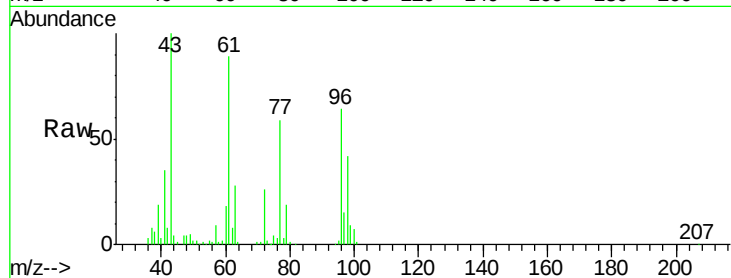
Acq: 19 Jul 2018 4:27

Instrument :
MSVOA_N
ClientSampleID :
VN0718WBS03

Tot Ion	Ratio	Resp	Lower	Upper
96	100	160484		
61	139.0	0.0	289.0	
98	64.5	0.0	130.2	

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#28

Bromochloromethane

Concen: 21.32 ug/l

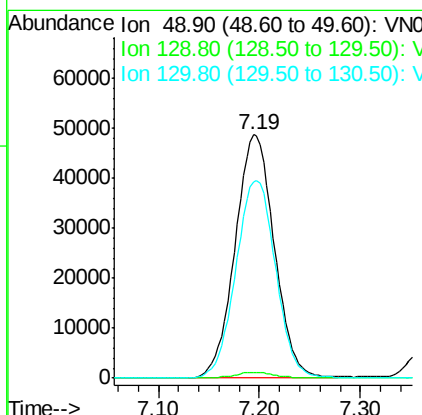
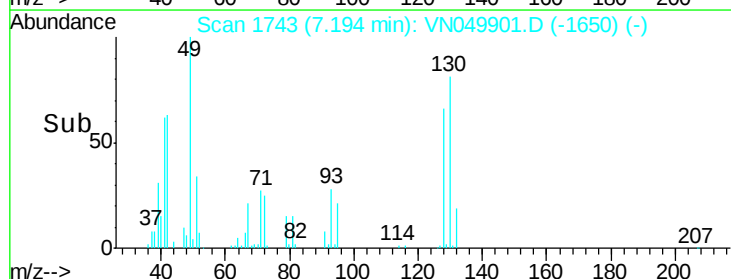
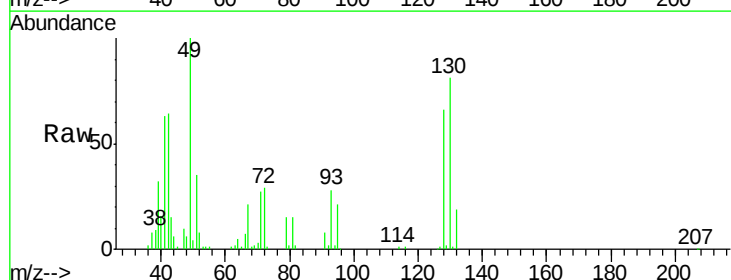
RT: 7.19 min Scan# 1743

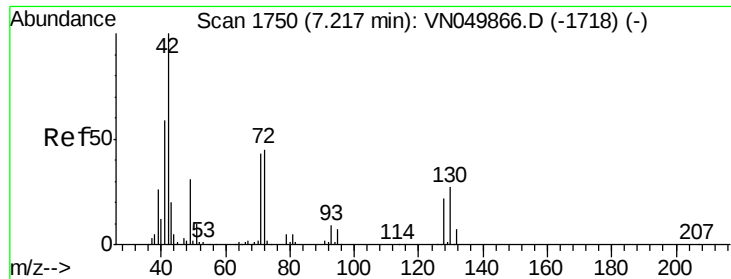
Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	131684		
129	2.2	0.0	4.2	
130	82.4	65.5	98.3	





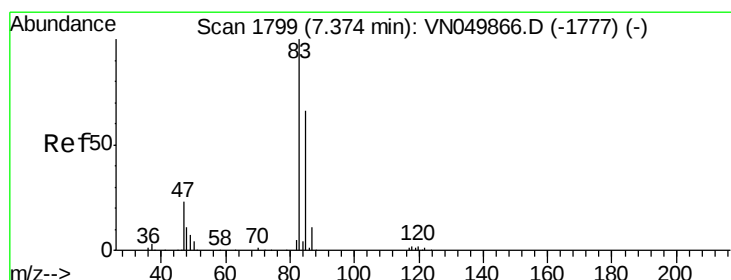
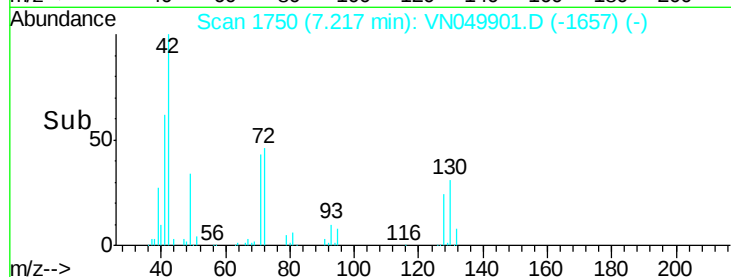
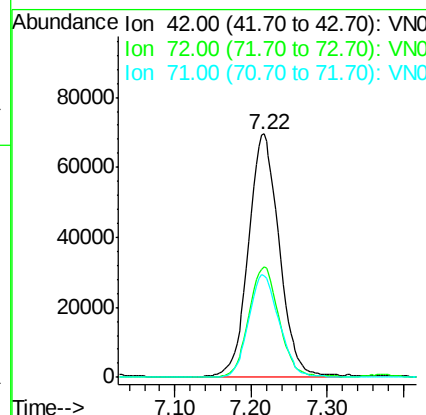
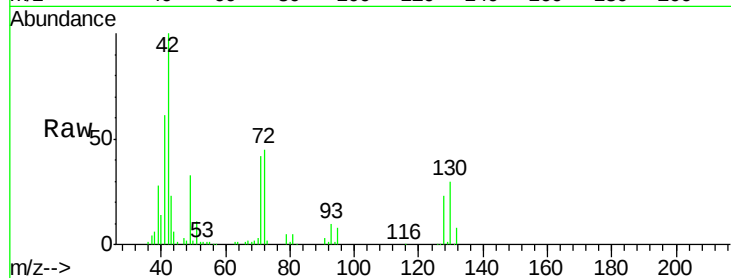
#29
Tetrahydrofuran
Concen: 99.80 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.6	53.4
71	41.9	34.0	51.0

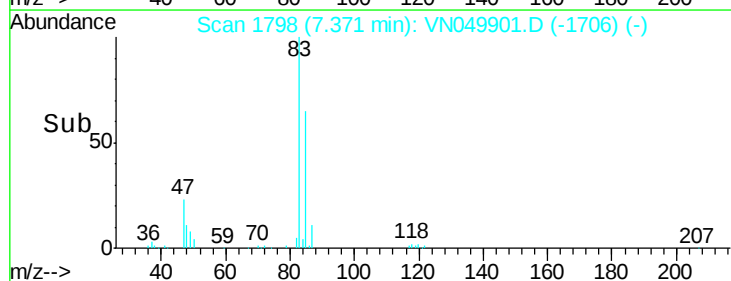
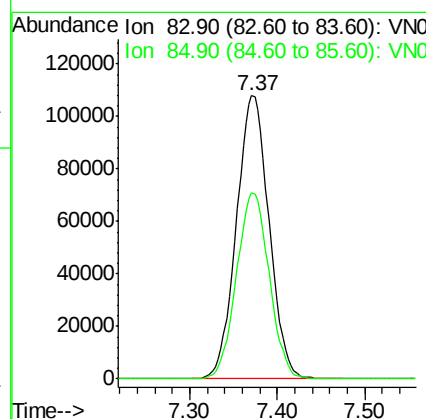
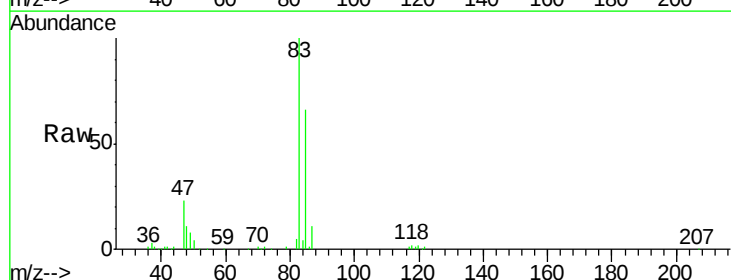
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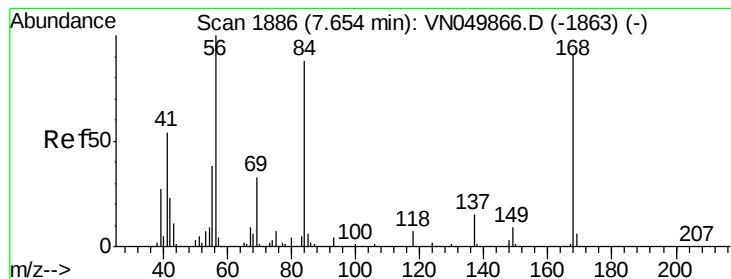
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#30
Chloroform
Concen: 19.91 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.4	77.2





#31

Cyclohexane

Concen: 20.11 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS03

Tot Ion: 56 Resp: 223828

Ion Ratio Lower Upper

56 100

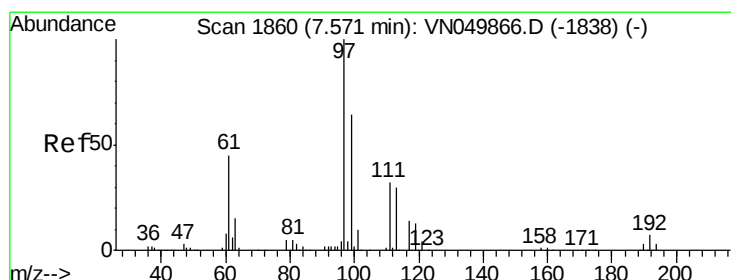
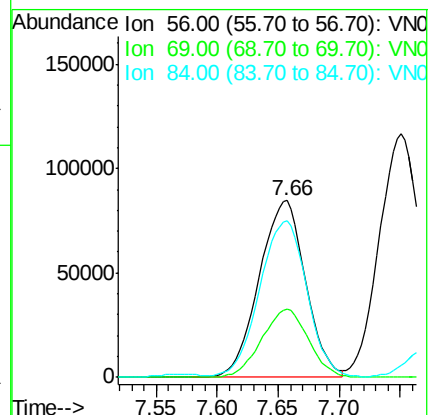
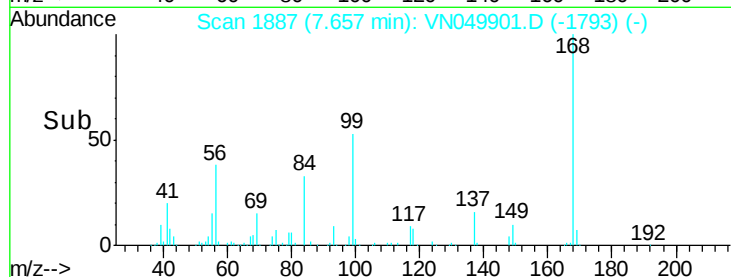
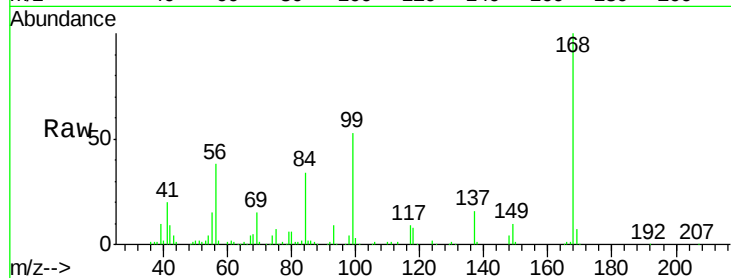
69 38.9 26.6 40.0

84 87.4 69.0 103.6

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#32

1,1,1-Trichloroethane

Concen: 19.62 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

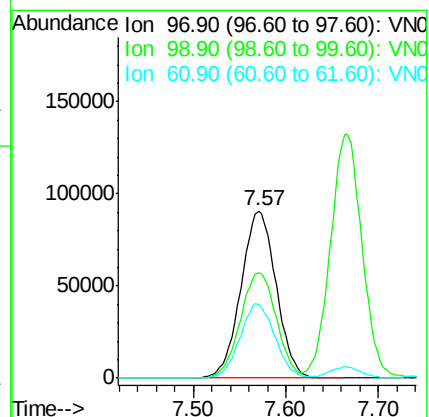
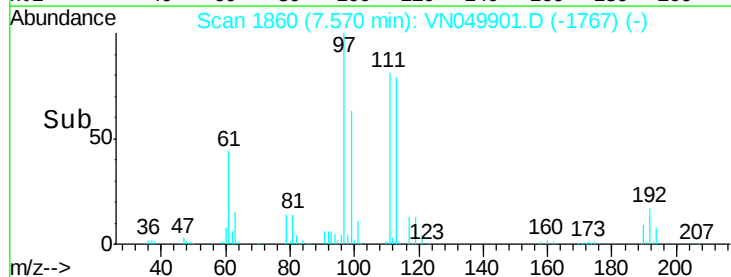
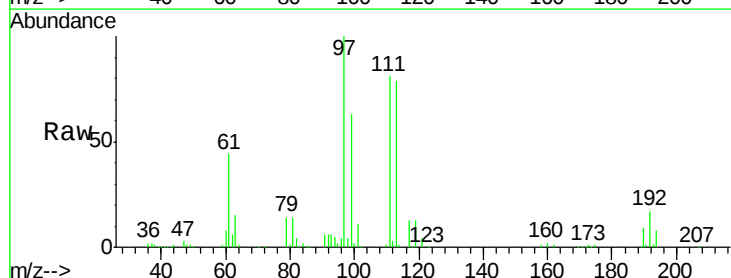
Tgt Ion: 97 Resp: 238048

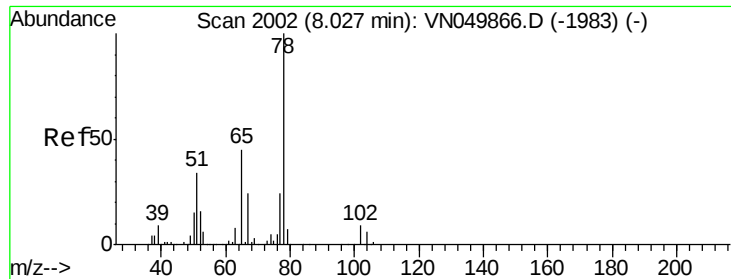
Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.4

61 44.3 35.5 53.3





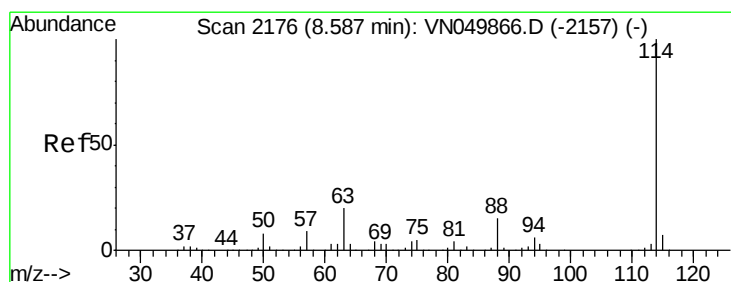
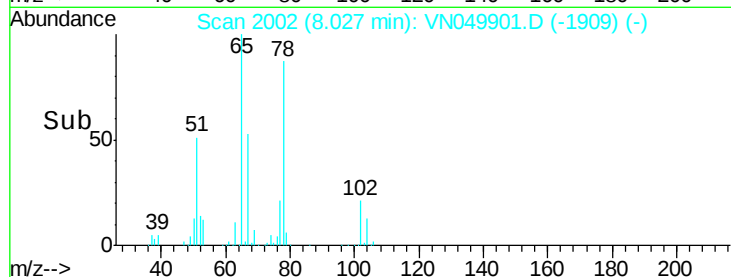
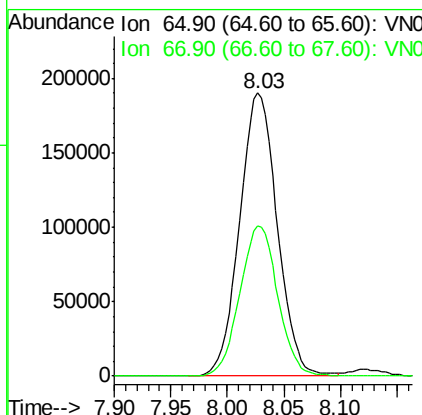
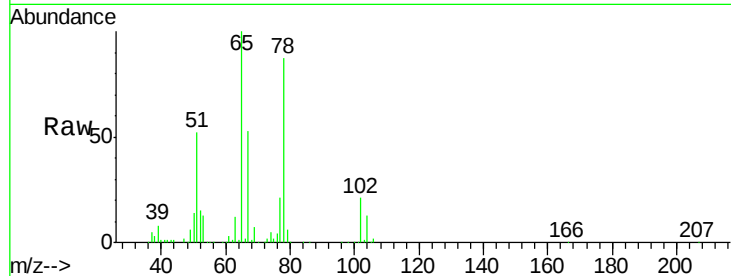
#33
 1,2-Dichloroethane-d4
 Concen: 52.53 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049901.D
 Acq: 19 Jul 2018 4:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS03

Tot Ion: 65 Resp: 440963
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.2

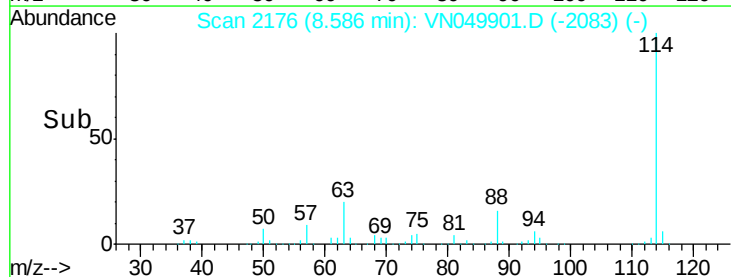
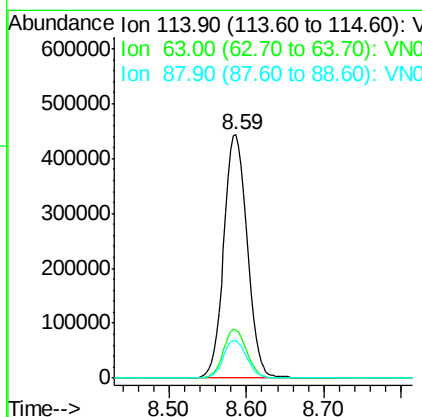
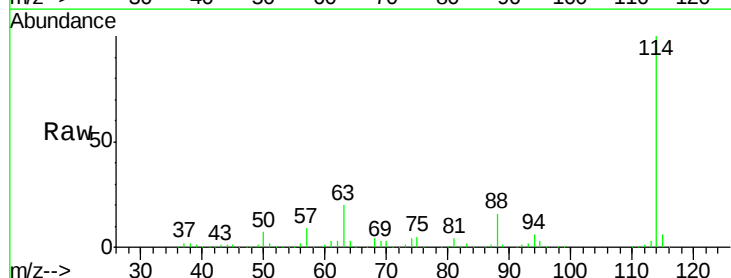
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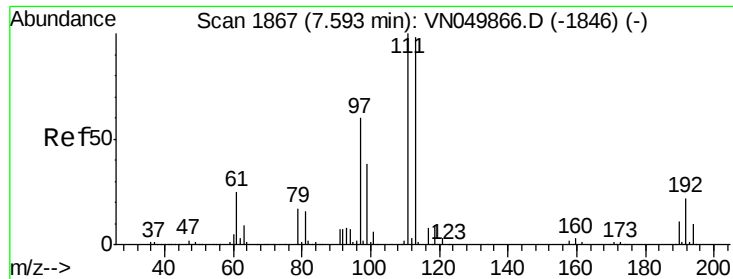
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049901.D
 Acq: 19 Jul 2018 4:27

Tgt Ion: 114 Resp: 931840
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.5 0.0 30.6





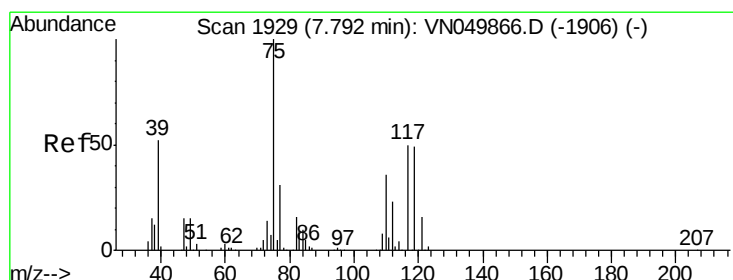
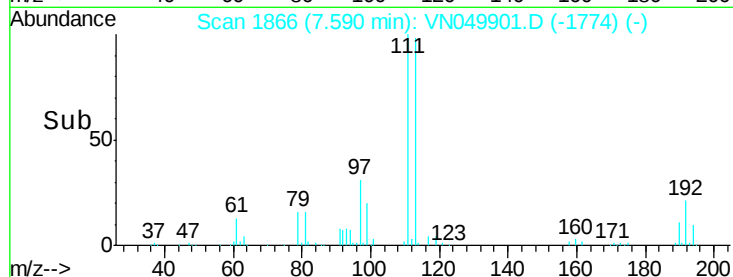
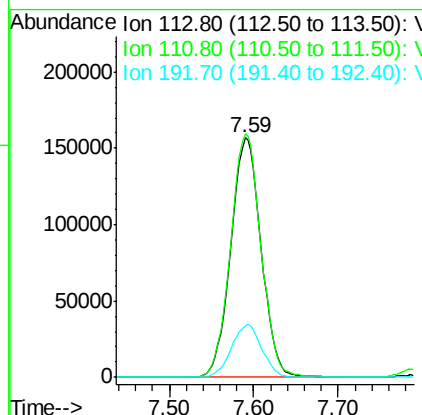
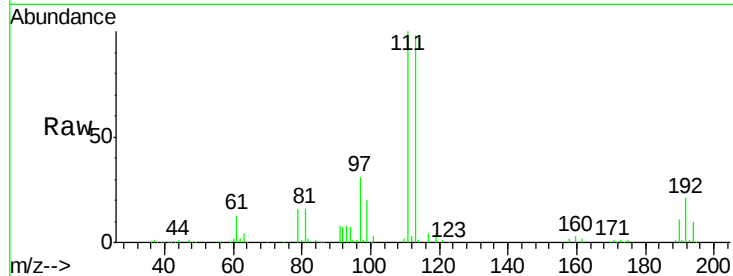
#35
 Dibromofluoromethane
 Concen: 50.12 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049901.D
 Acq: 19 Jul 2018 4:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	392097		
111	101.7	81.8	122.8	
192	22.1	17.8	26.6	

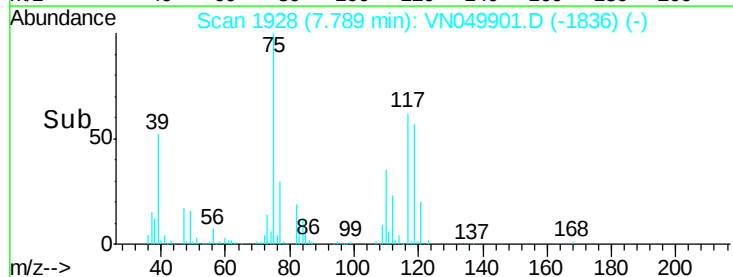
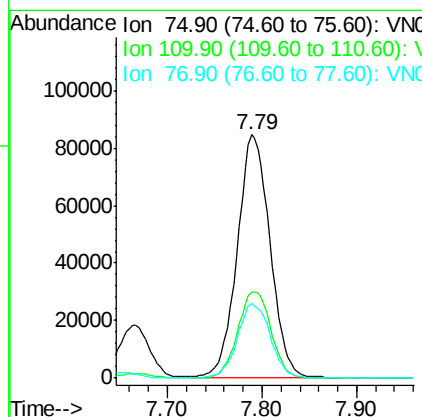
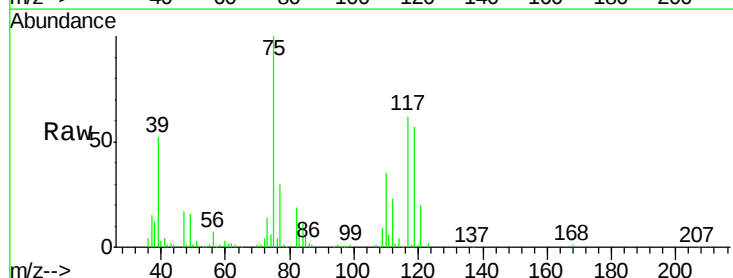
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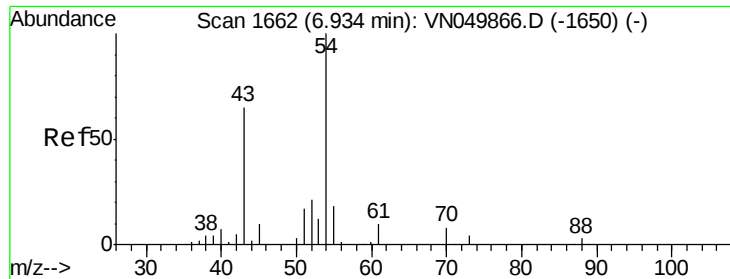
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#36
 1,1-Dichloropropene
 Concen: 19.61 ug/l
 RT: 7.79 min Scan# 1928
 Delta R.T. -0.00 min
 Lab File: VN049901.D
 Acq: 19 Jul 2018 4:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	203190		
110	36.0	18.1	54.4	
77	31.1	24.9	37.3	





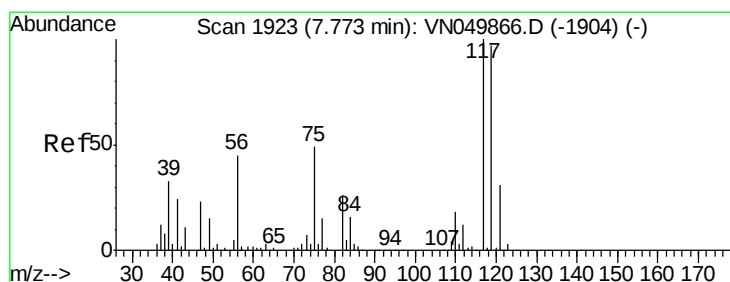
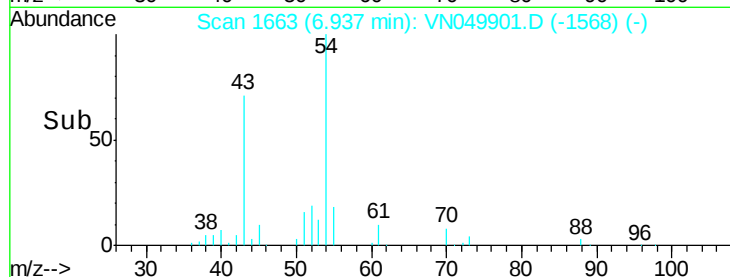
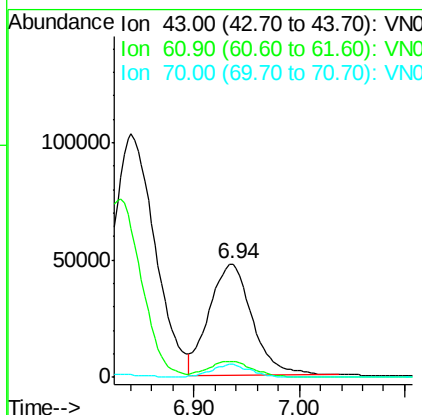
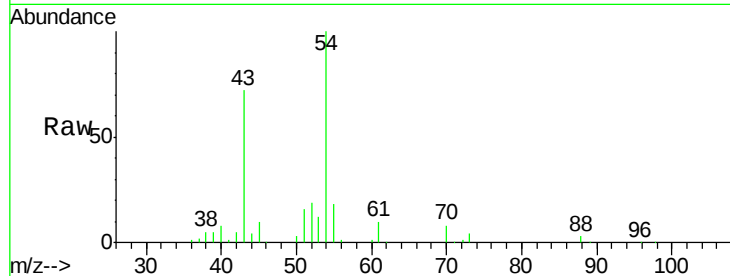
#37
Ethyl Acetate
Concen: 19.05 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.7	17.5
70	10.6	8.4	12.6

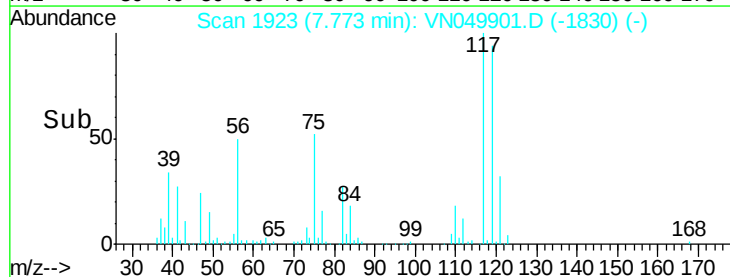
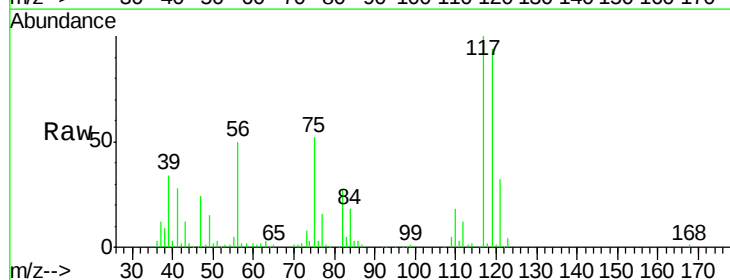
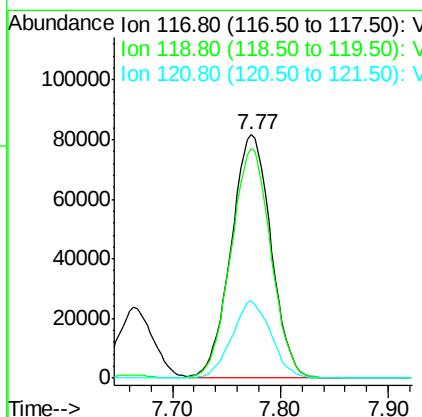
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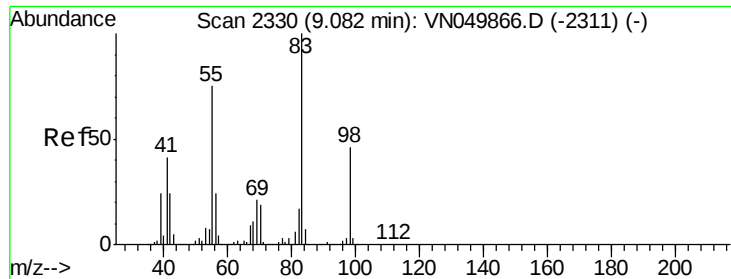
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#38
Carbon Tetrachloride
Concen: 18.97 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.2	115.8
121	31.5	25.0	37.6





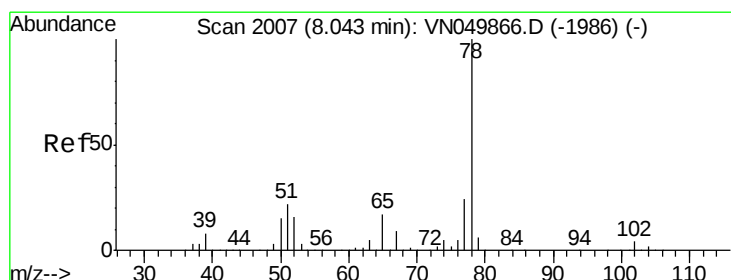
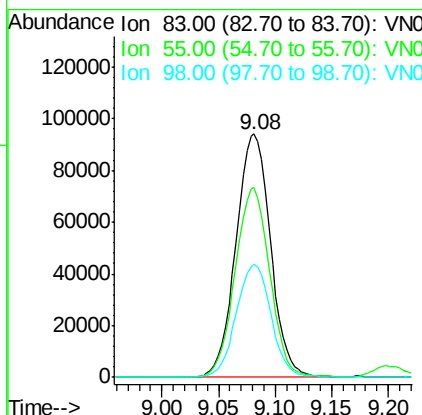
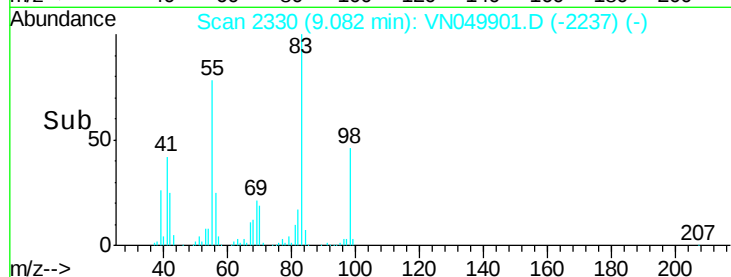
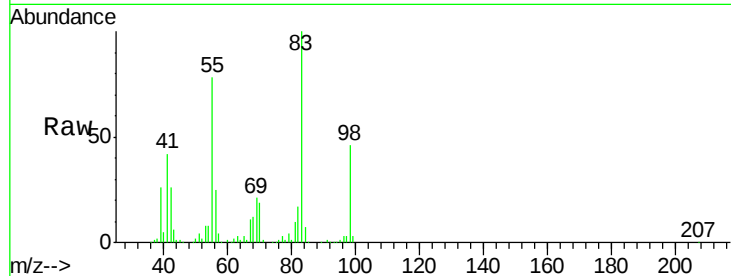
#39
Methvlcvclohexane
Concen: 18.78 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	59.7	89.5
98	46.2	36.5	54.7

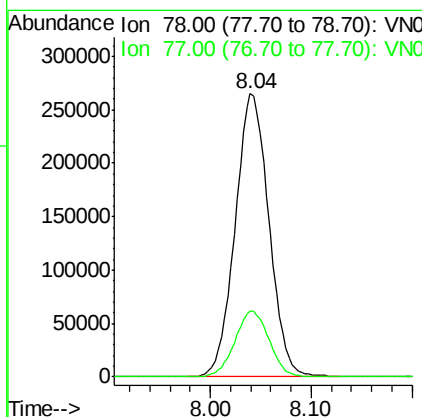
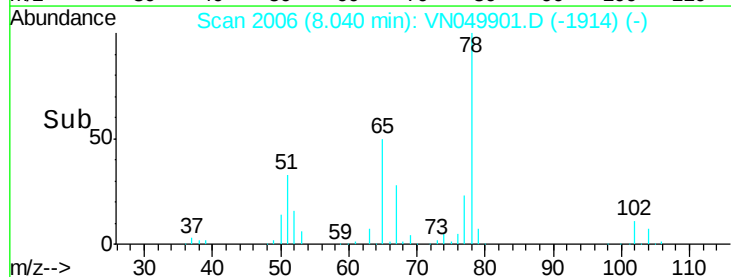
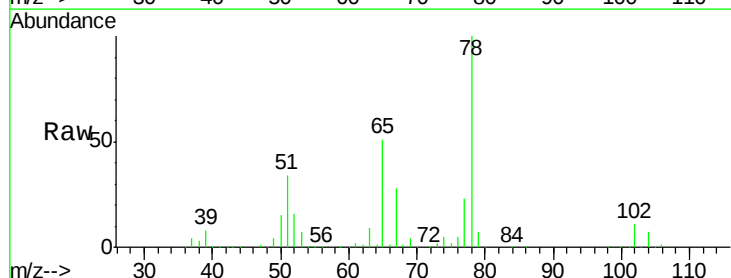
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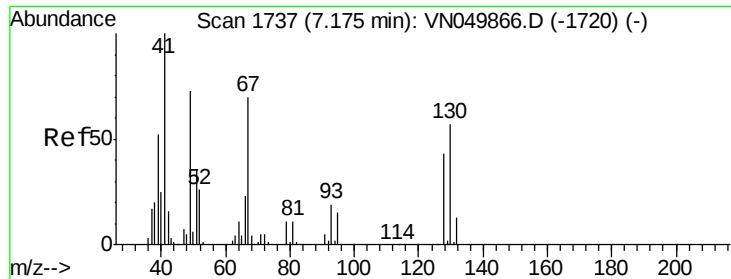
apatel
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#40
Benzene
Concen: 19.49 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.4





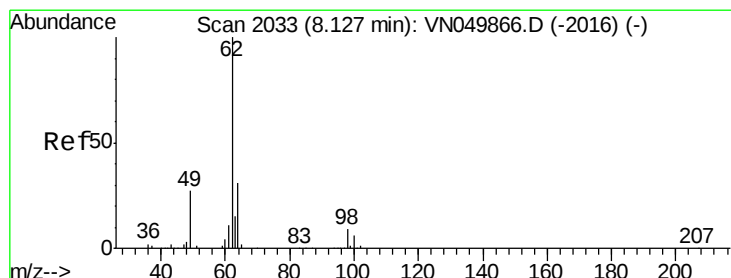
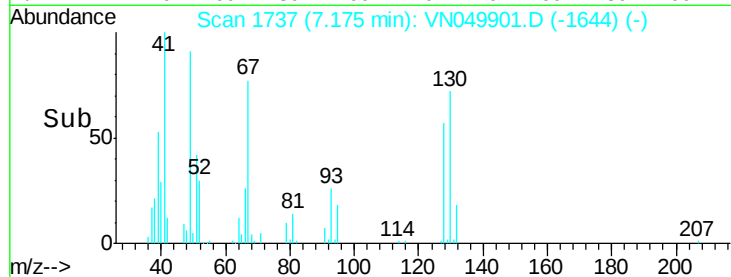
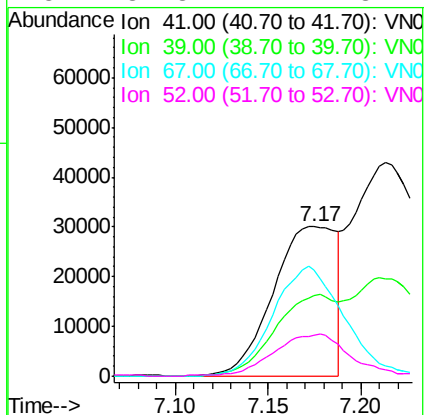
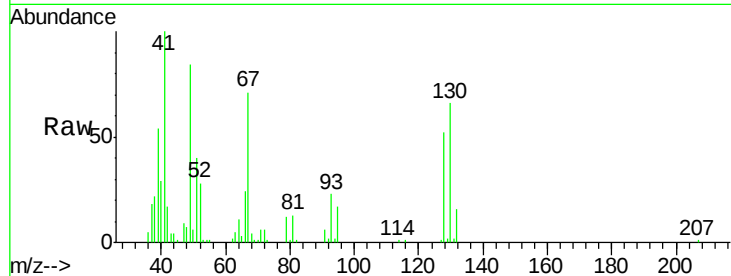
#41
Methacrylonitrile
Concen: 20.06 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS03

Tot Ion	41	Resp	71541
Ion Ratio	Lower	Upper	
41	100		
39	52.6	45.4	68.2
67	83.3	65.4	98.0
52	34.3	24.7	37.1

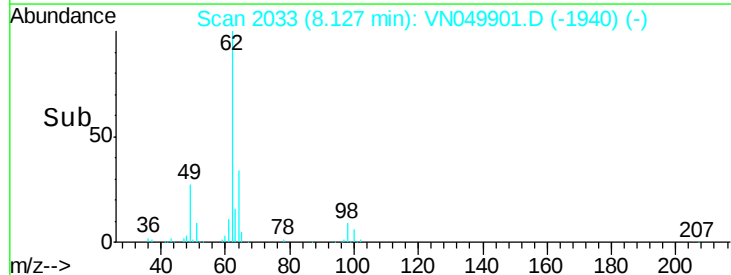
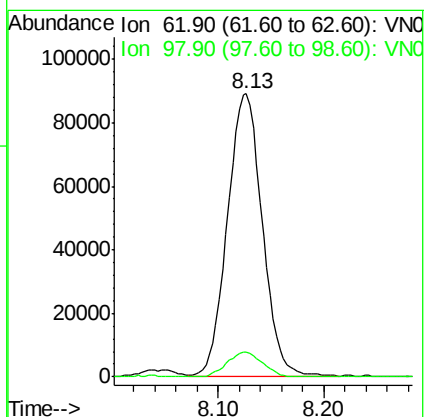
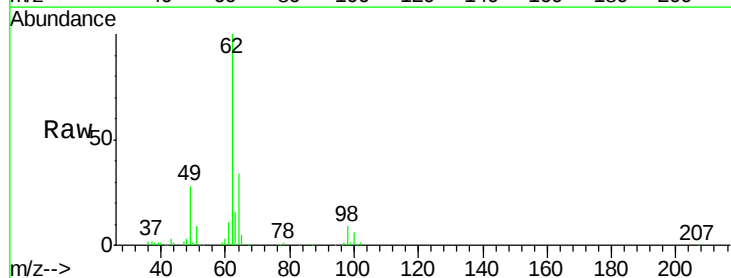
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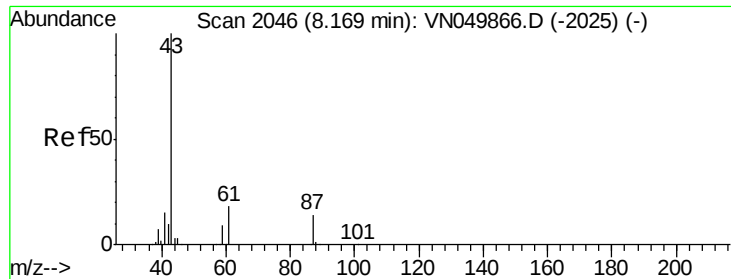
apatel
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#42
1,2-Dichloroethane
Concen: 19.35 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Tgt Ion	62	Resp	202351
Ion Ratio	Lower	Upper	
62	100		
98	9.0	0.0	19.0





#43

Isopropyl Acetate

Concen: 21.04 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Instrument :

MSVOA_N

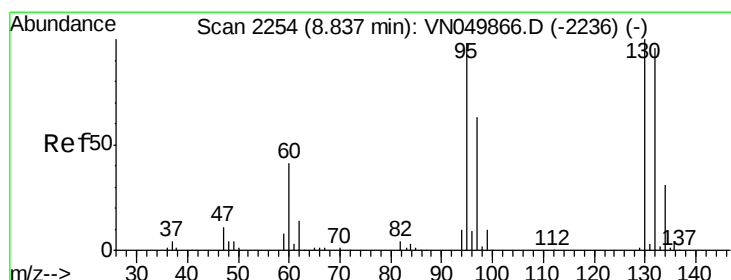
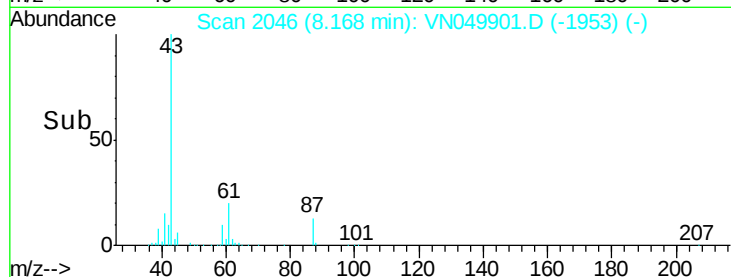
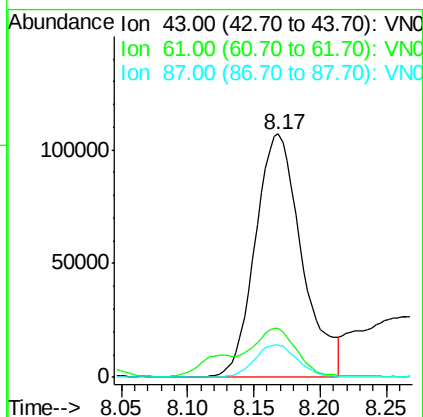
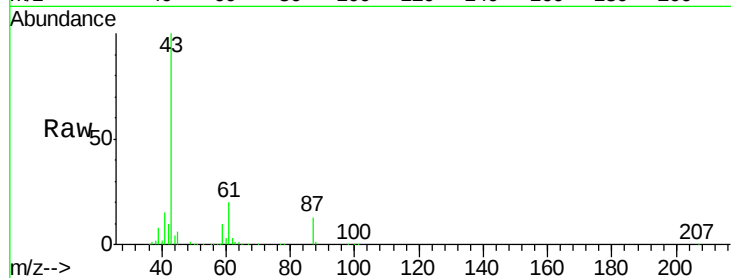
ClientSampleId :

VN0718WBS03

Tot Ion:	43	Resp:	261480
Ion Ratio		Lower	Upper
43	100		
61	18.1	14.9	22.3
87	12.3	10.0	15.0

Manual Integrations
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#44

Trichloroethene

Concen: 19.40 ug/l

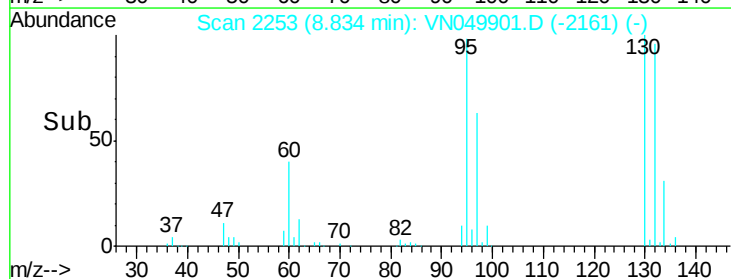
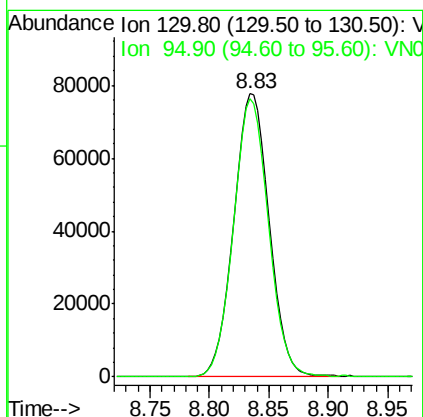
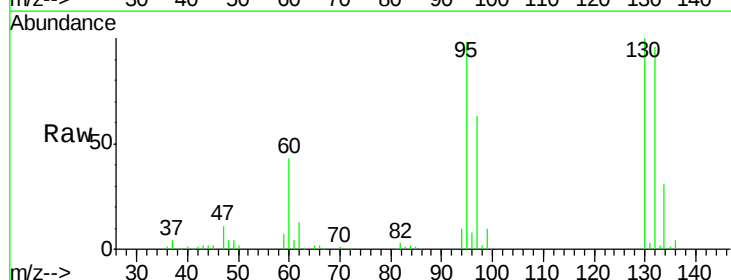
RT: 8.83 min Scan# 2253

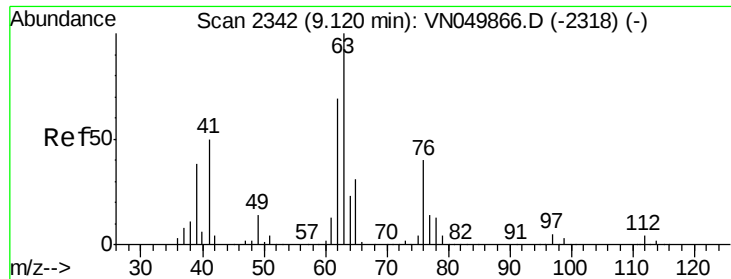
Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Tgt Ion:	130	Resp:	160599
Ion Ratio		Lower	Upper
130	100		
95	98.3	0.0	192.8





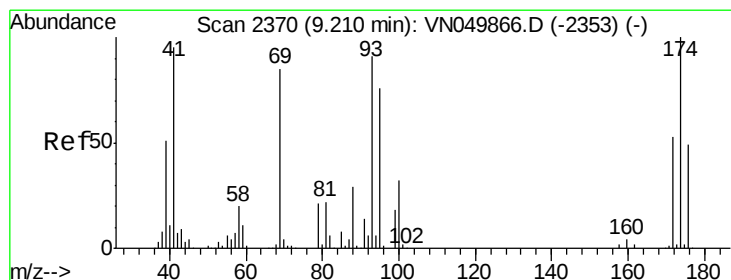
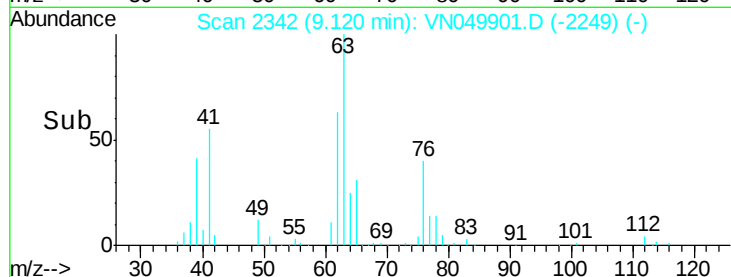
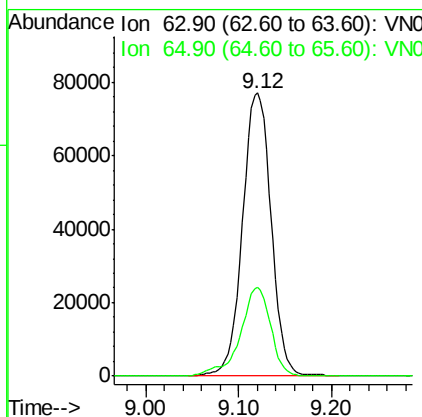
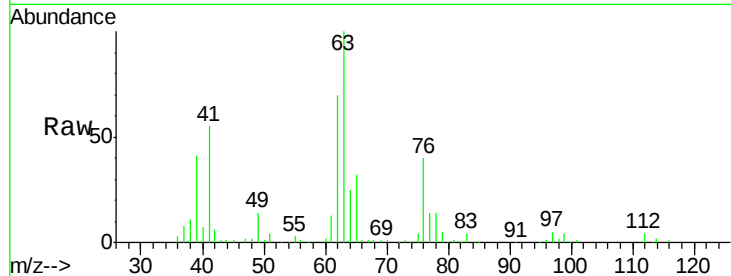
#45
 1,2-Dichloropropane
 Concen: 19.34 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049901.D
 Acq: 19 Jul 2018 4:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS03

Tot Ion: 63 Resp: 164798
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.7 37.1

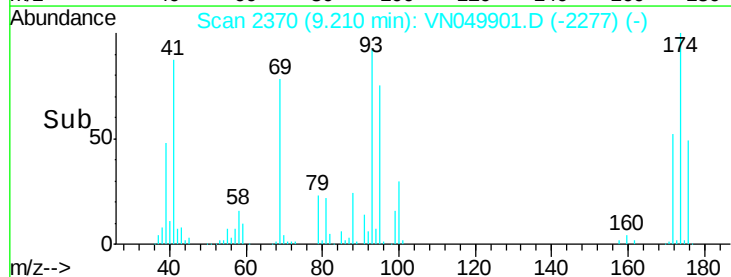
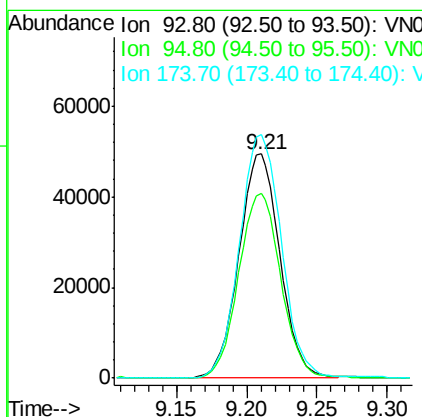
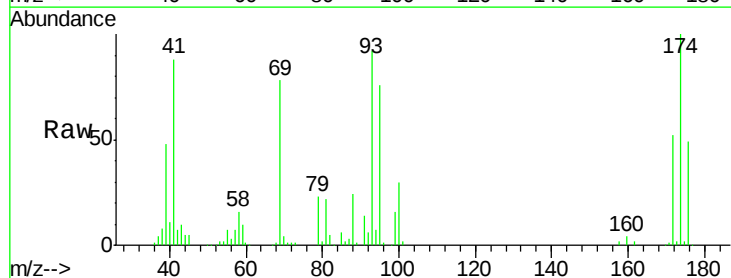
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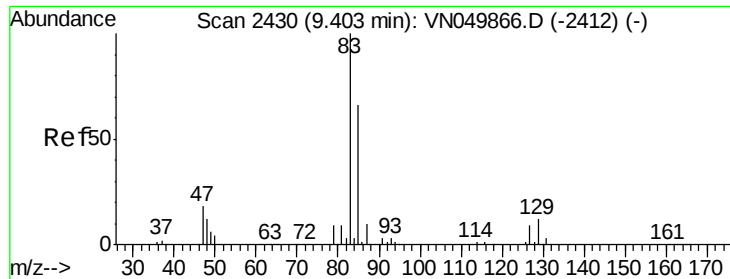
apatel
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#46
 Dibromomethane
 Concen: 19.09 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN049901.D
 Acq: 19 Jul 2018 4:27

Tgt Ion: 93 Resp: 100864
 Ion Ratio Lower Upper
 93 100
 95 84.5 67.9 101.9
 174 111.2 89.4 134.0





#47

Bromodichloromethane

Concen: 19.22 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Instrument :

MSVOA_N

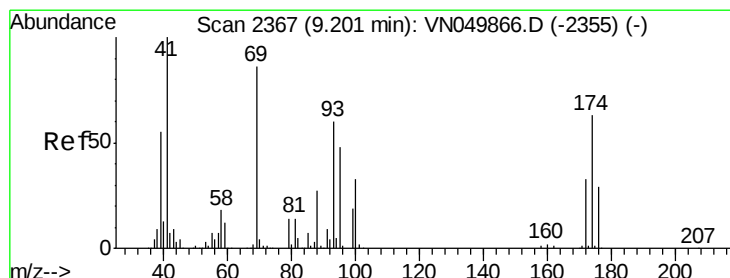
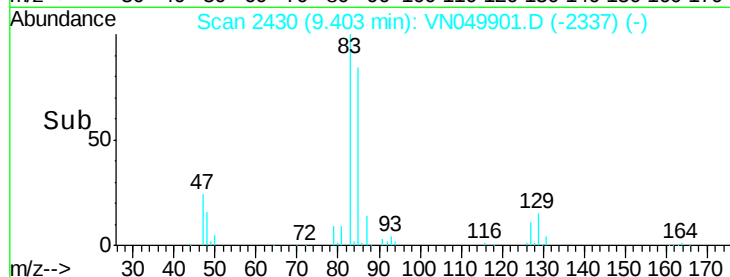
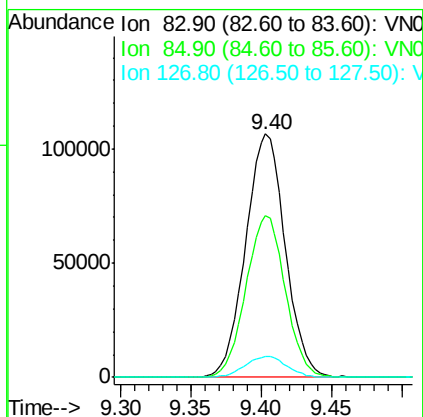
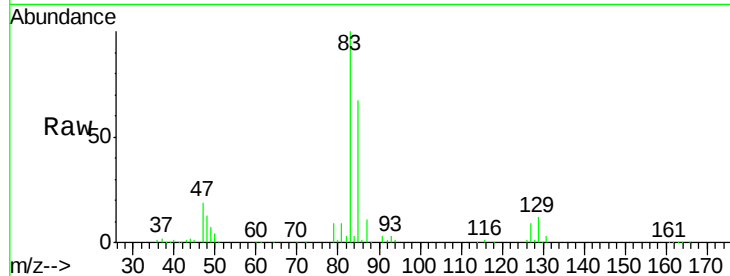
ClientSampleId :

VN0718WBS03

Tot Ion:	83	Resp:	210057
Ion Ratio	Lower	Upper	
83	100		
85	66.7	50.5	75.7
127	8.6	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.72 ug/l

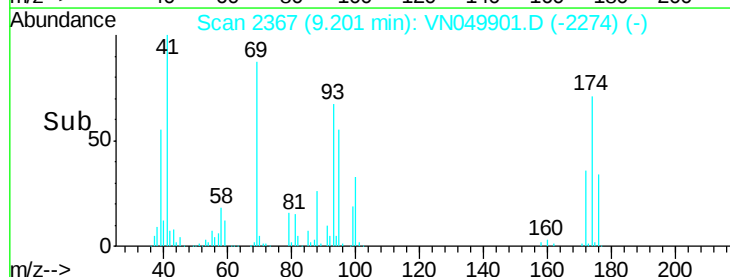
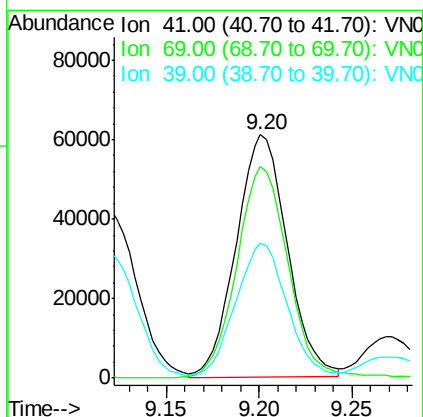
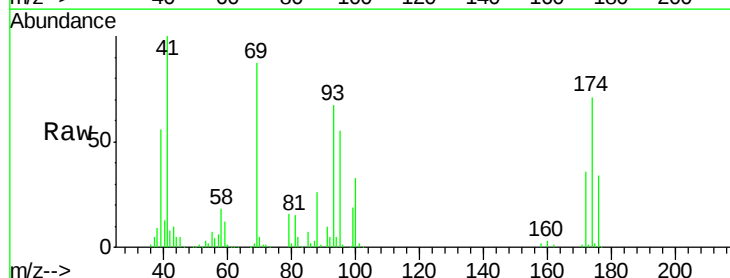
RT: 9.20 min Scan# 2367

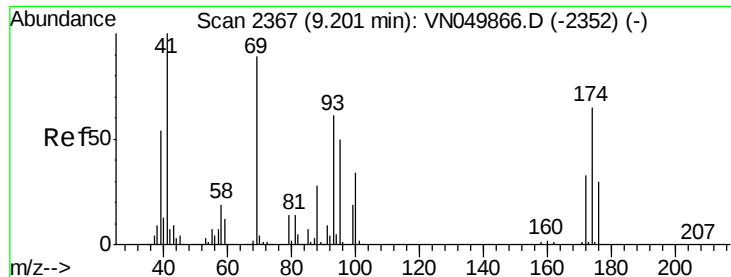
Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Tgt Ion:	41	Resp:	116732
Ion Ratio	Lower	Upper	
41	100		
69	88.4	71.5	107.3
39	55.9	44.7	67.1





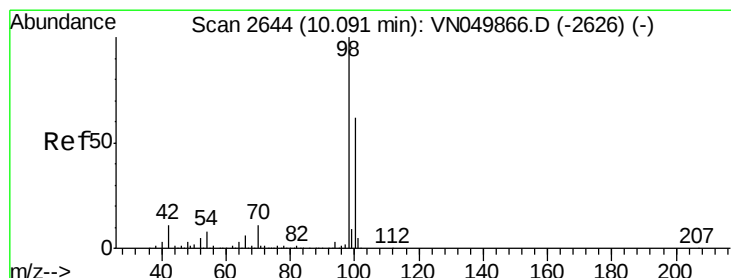
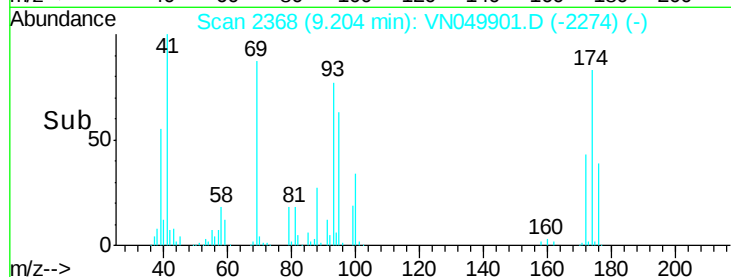
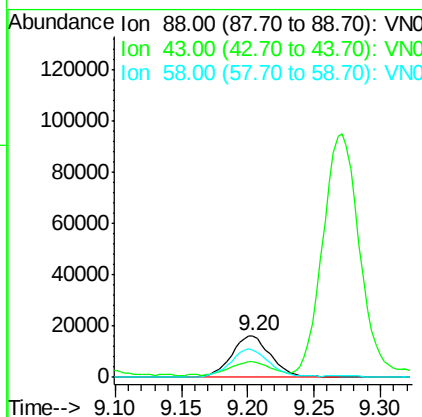
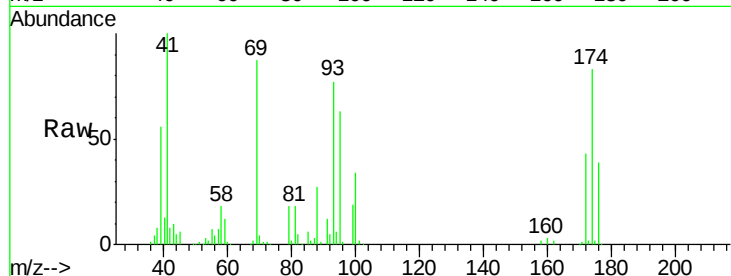
#49
1,4-Dioxane
Concen: 376.11 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS03

Tot Ion	88	Resp	33267
Ion Ratio	Lower	Upper	
88	100		
43	31.7	25.1	37.7
58	68.1	52.5	78.7

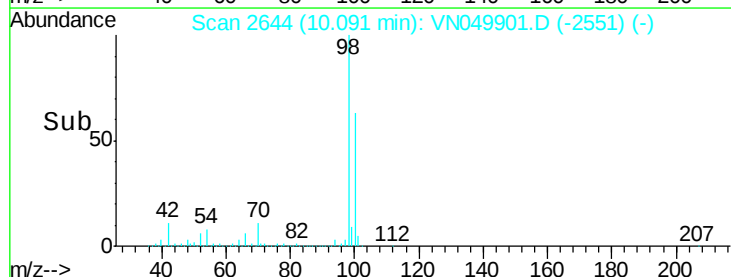
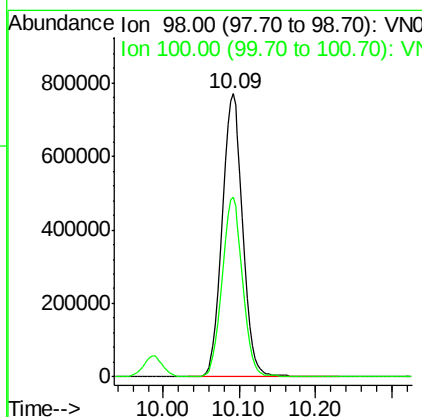
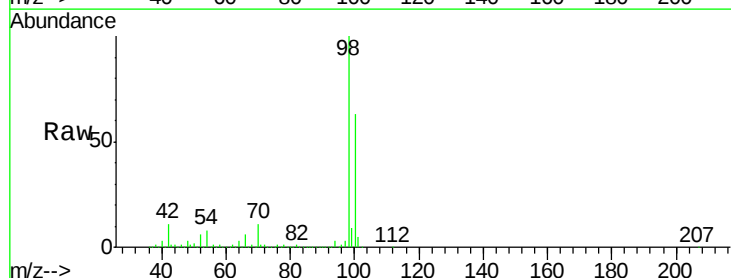
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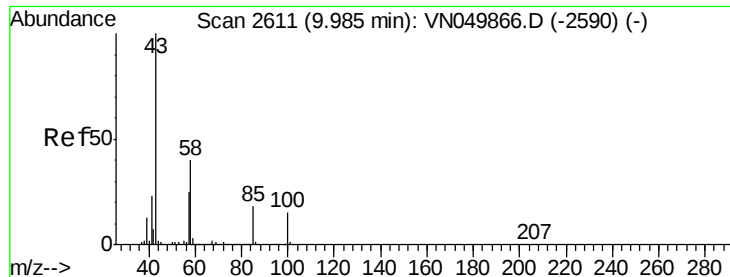
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#50
Toluene-d8
Concen: 50.81 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Tgt Ion	98	Resp	1448227
Ion Ratio	Lower	Upper	
98	100		
100	63.2	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 97.22 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS03

Tot Ion: 43 Resp: 675521

Ion Ratio Lower Upper

43 100

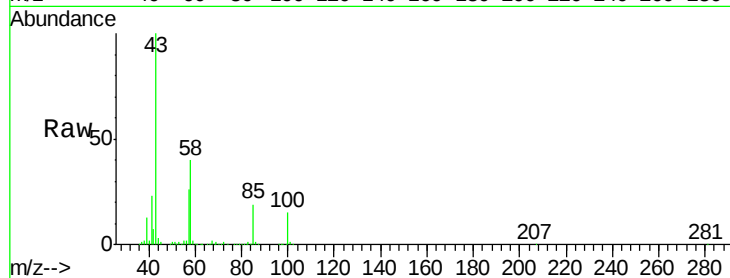
58 39.9 31.8 47.8

Manual Integrations

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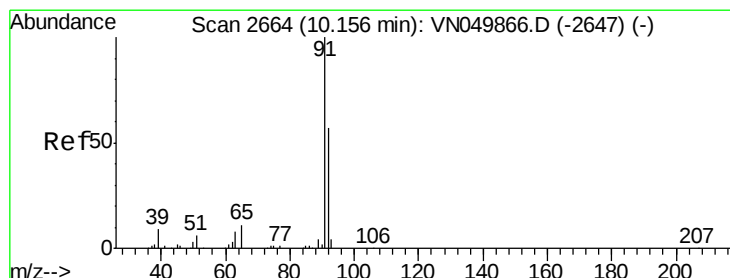
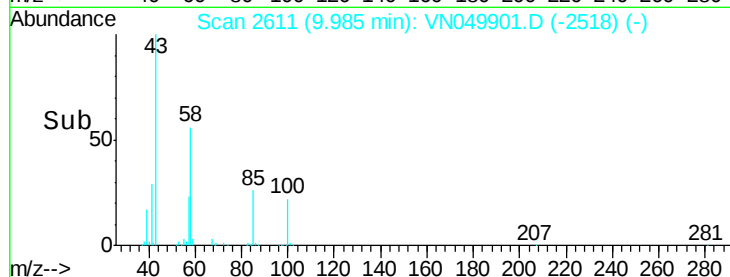
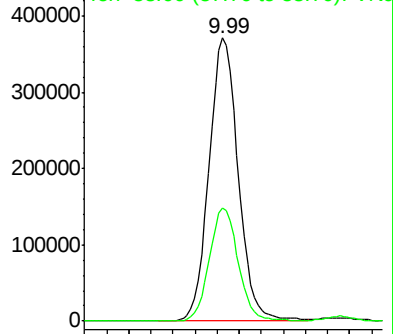
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.15 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049901.D

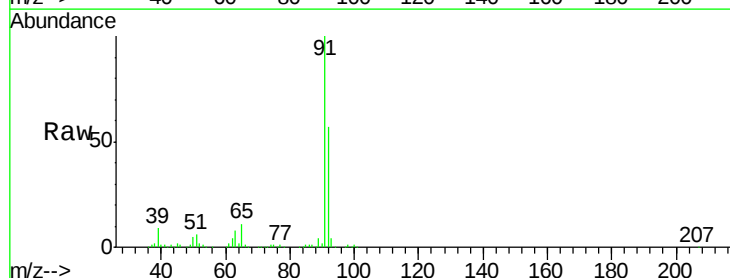
Acq: 19 Jul 2018 4:27

Tgt Ion: 92 Resp: 379635

Ion Ratio Lower Upper

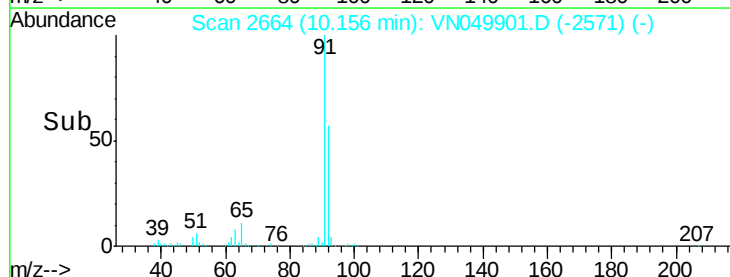
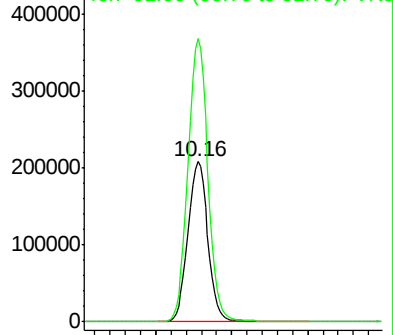
92 100

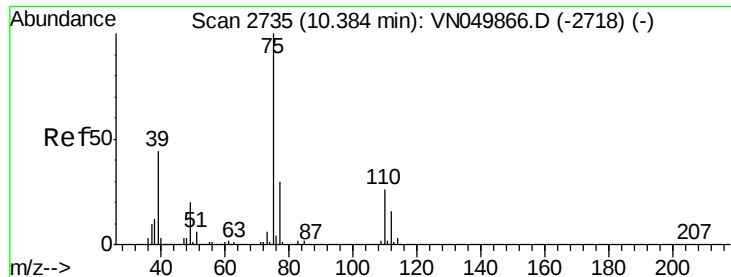
91 176.6 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





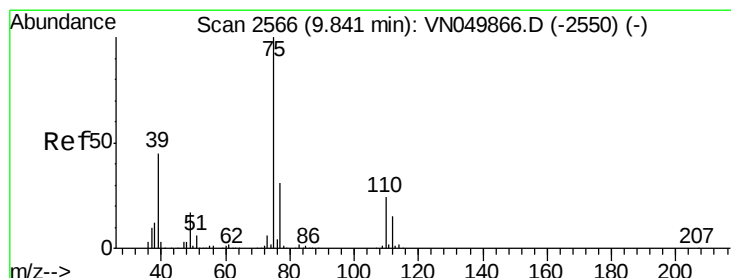
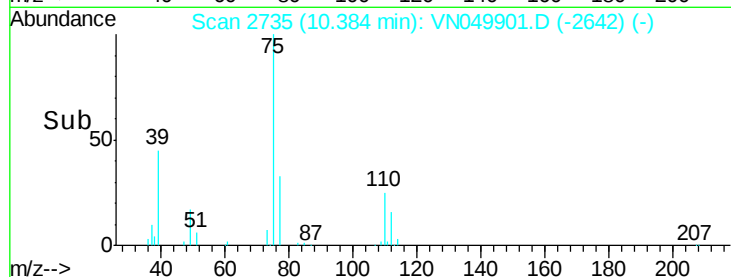
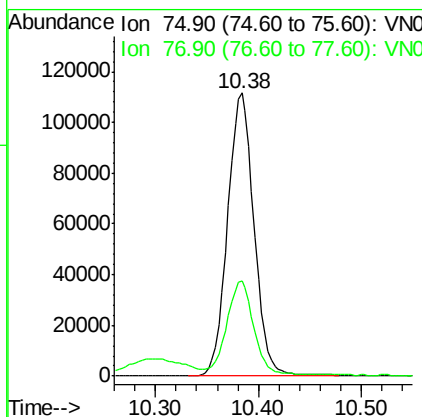
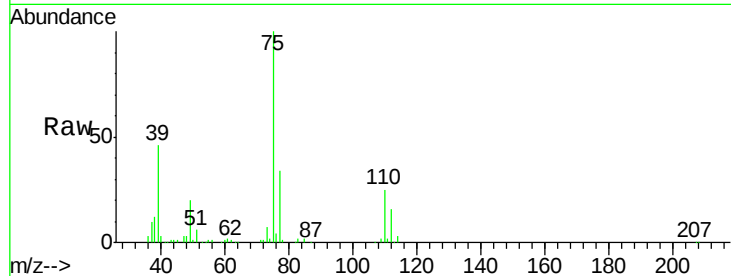
#53
 t-1,3-Dichloropropene
 Concen: 18.50 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN049901.D
 Acq: 19 Jul 2018 4:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS03

Tot Ion: 75 Resp: 199904
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.2 37.8

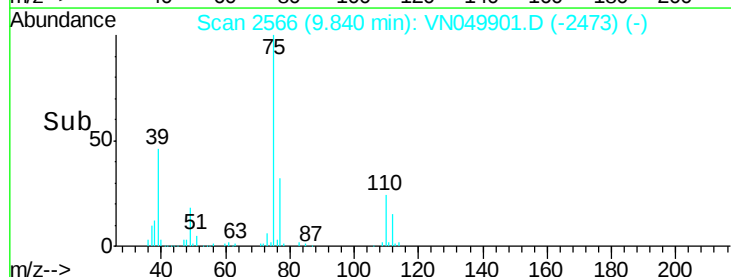
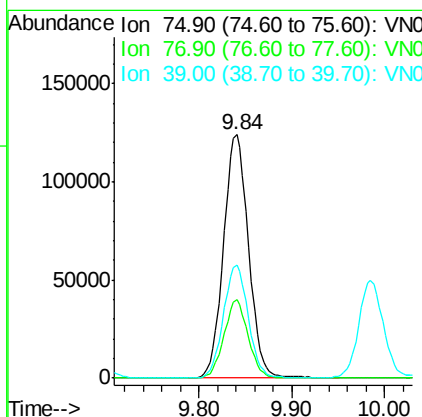
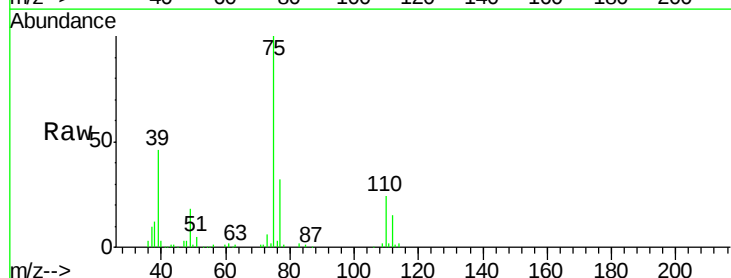
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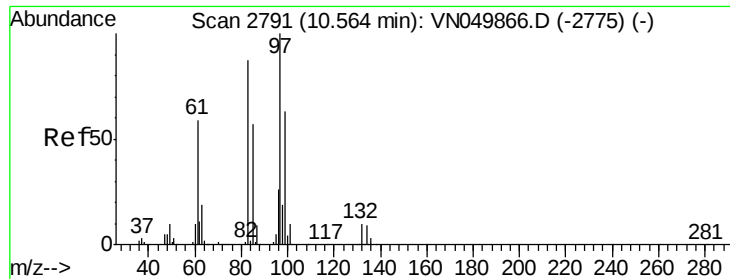
apatel
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#54
 cis-1,3-Dichloropropene
 Concen: 19.44 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN049901.D
 Acq: 19 Jul 2018 4:27

Tgt Ion: 75 Resp: 232090
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.3 37.9
 39 46.4 35.5 53.3





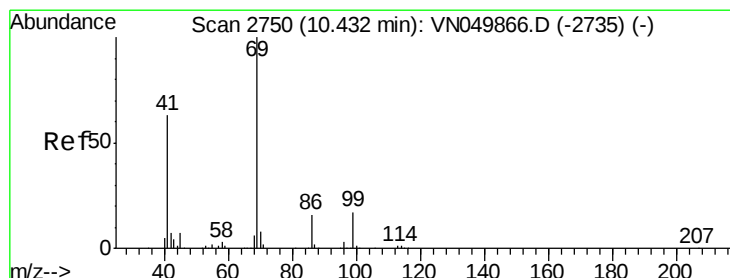
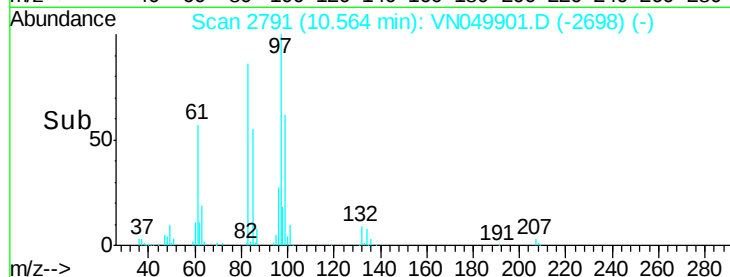
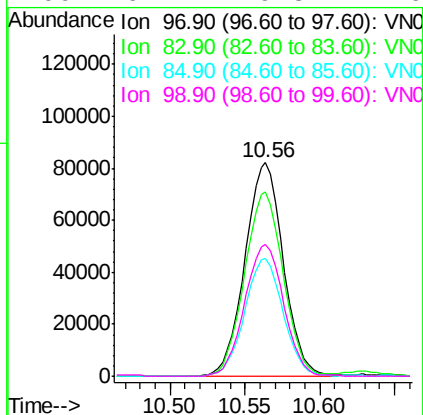
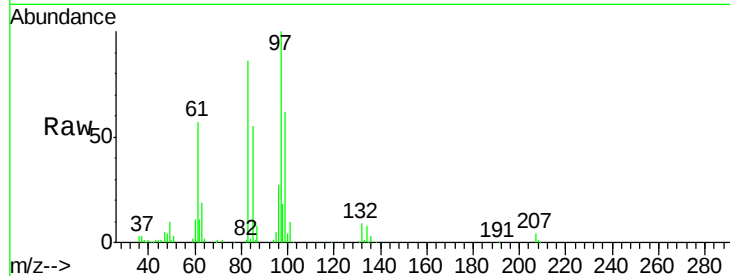
#55
 1,1,2-Trichloroethane
 Concen: 18.83 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049901.D
 Acq: 19 Jul 2018 4:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		146544		
83	86.3	69.0	103.6		
85	55.4	44.9	67.3		
99	61.7	49.8	74.6		

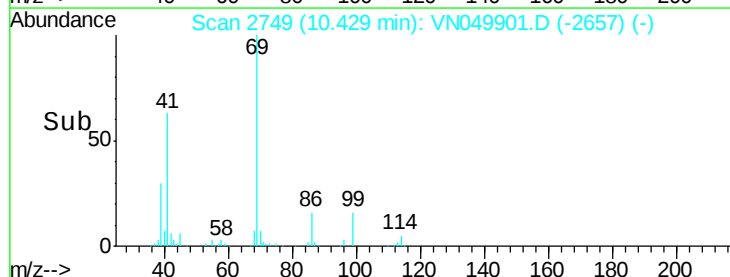
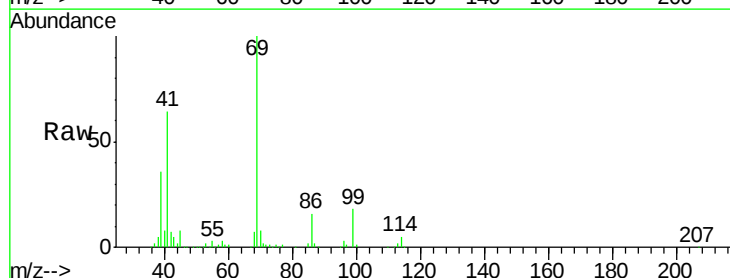
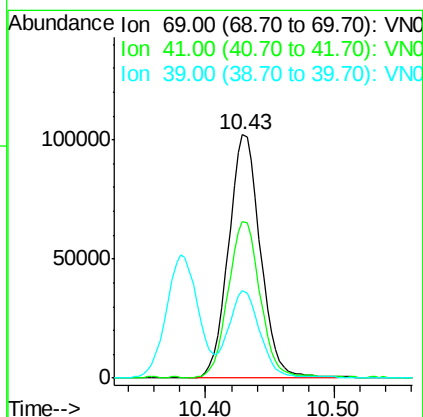
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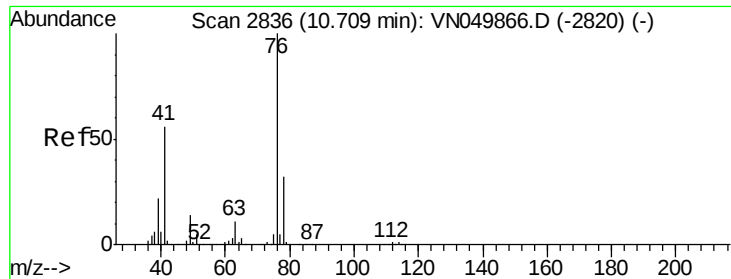
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#56
 Ethyl methacrylate
 Concen: 18.21 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049901.D
 Acq: 19 Jul 2018 4:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		175354		
41	63.8	51.6	77.4		
39	35.0	25.8	38.8		





#57

1,3-Dichloropropane

Concen: 19.66 ug/l

RT: 10.71 min Scan# 2835

Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS03

Tot Ion: 76 Resp: 240979

Ion Ratio Lower Upper

76 100

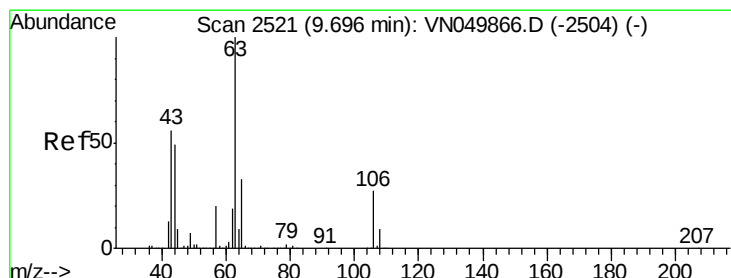
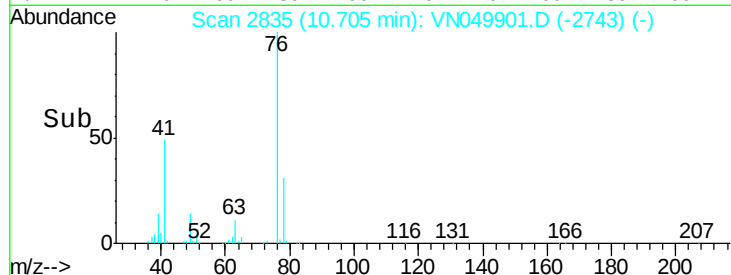
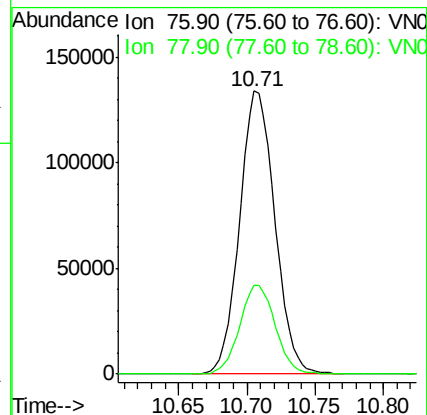
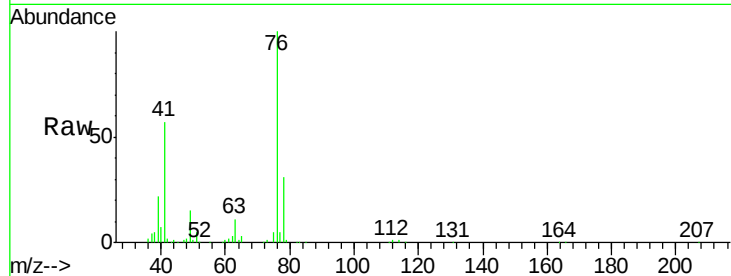
78 31.7 25.8 38.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 104.08 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049901.D

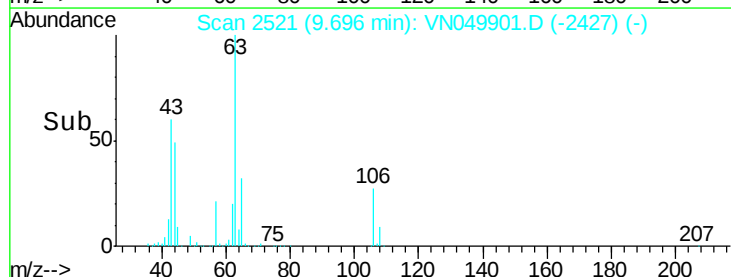
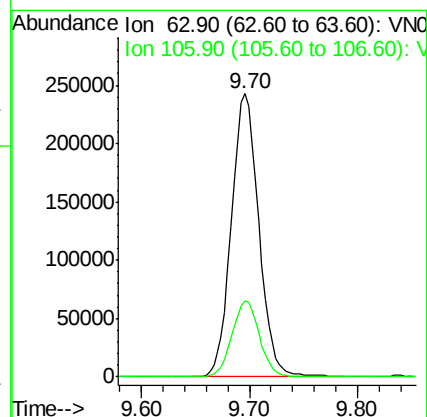
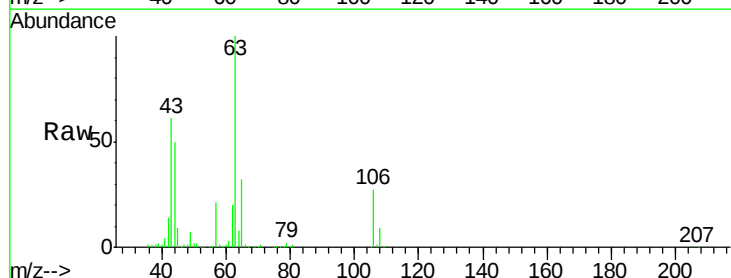
Acq: 19 Jul 2018 4:27

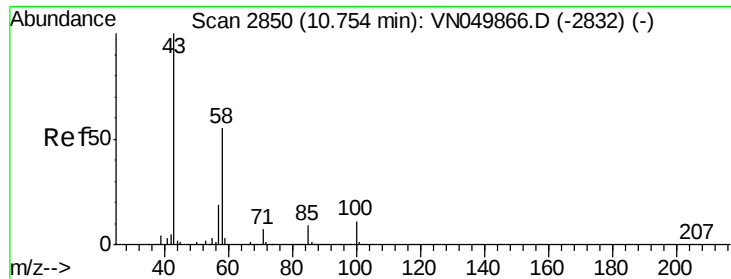
Tgt Ion: 63 Resp: 431445

Ion Ratio Lower Upper

63 100

106 26.9 21.8 32.8





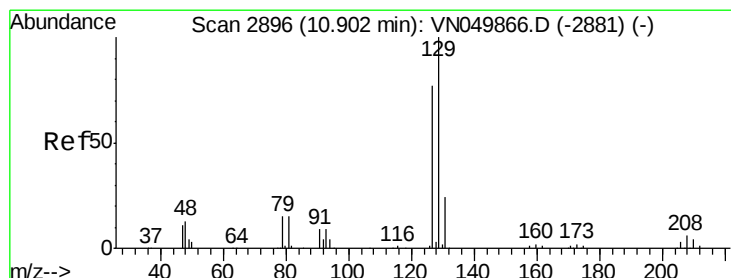
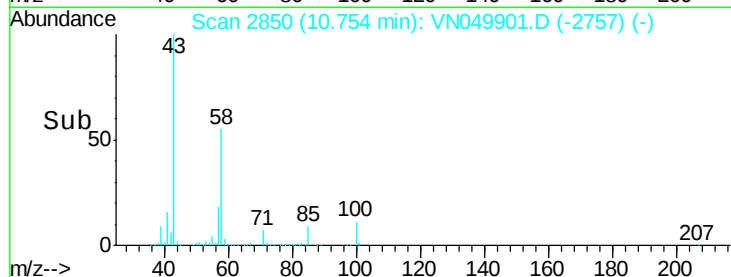
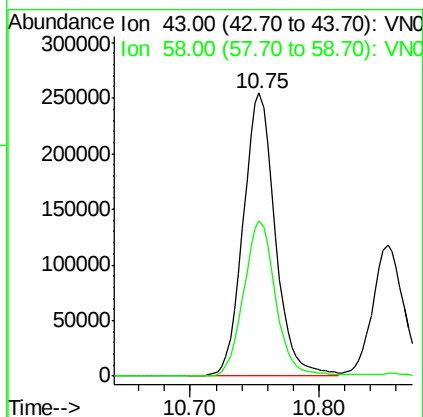
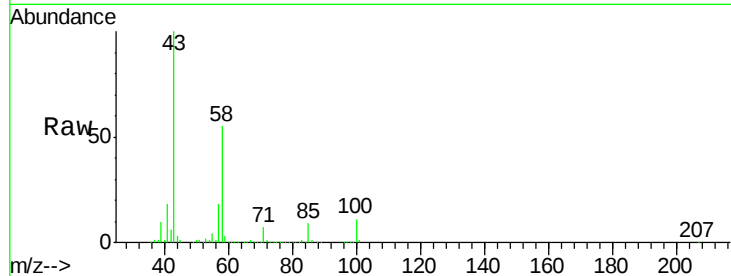
#59
2-Hexanone
Concen: 93.76 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS03

Tot Ion: 43 Resp: 437599
Ion Ratio Lower Upper
43 100
58 55.0 27.8 83.4

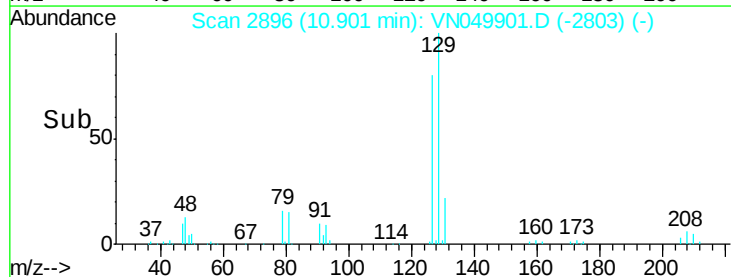
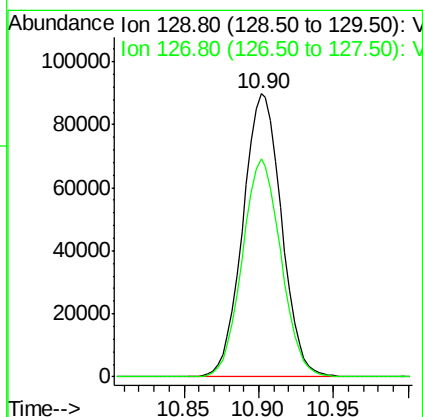
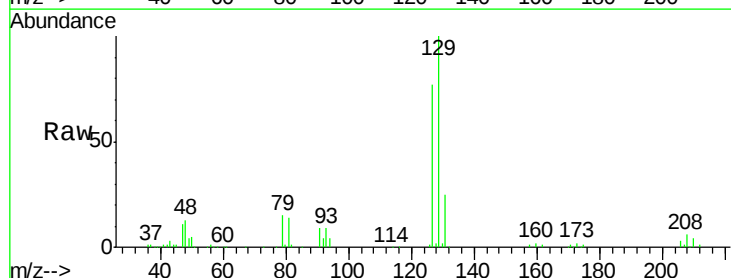
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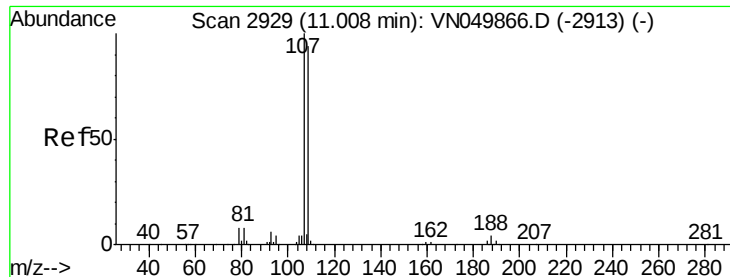
apatel
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#60
Dibromochloromethane
Concen: 18.96 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Tgt Ion: 129 Resp: 161823
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.9





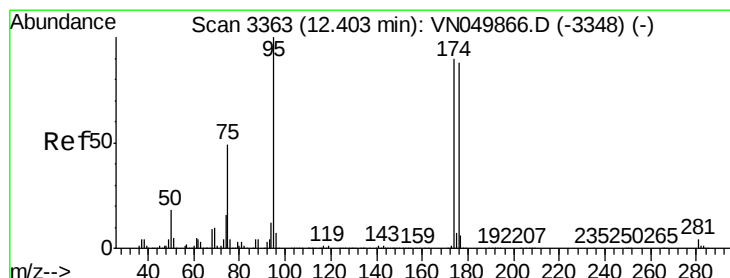
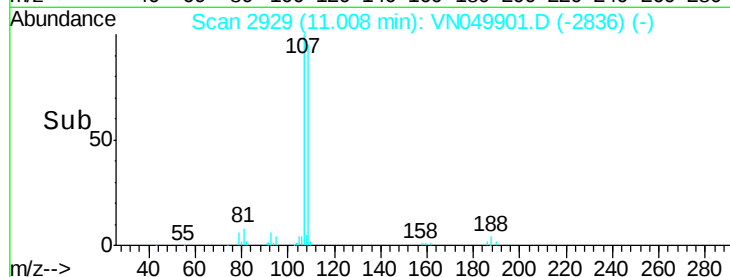
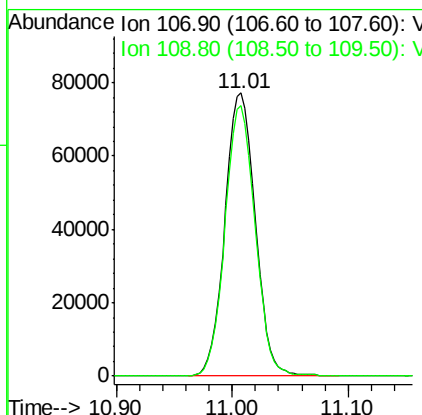
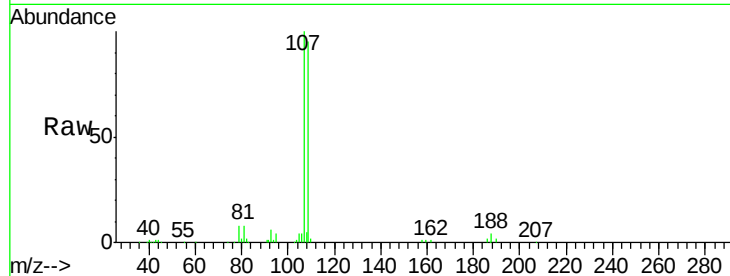
#61
 1,2-Dibromoethane
 Concen: 19.30 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049901.D
 Acq: 19 Jul 2018 4:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS03

Tot Ion: 107 Resp: 140352
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.0 112.6

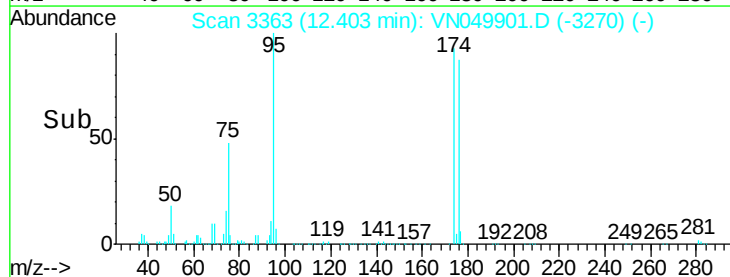
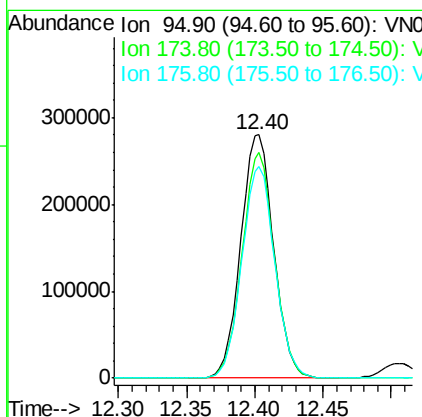
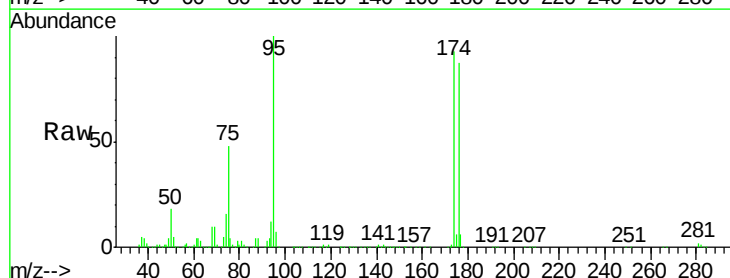
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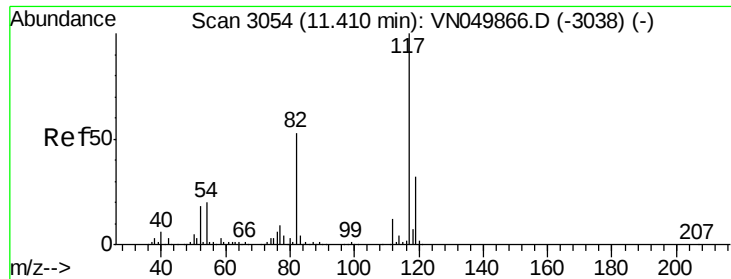
apatel
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#62
 4-Bromofluorobenzene
 Concen: 47.84 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN049901.D
 Acq: 19 Jul 2018 4:27

Tgt Ion: 95 Resp: 469589
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 179.6
 176 87.3 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: VN049901.D

Acq: 19 Jul 2018 4:27

Instrument :

MSVOA_N

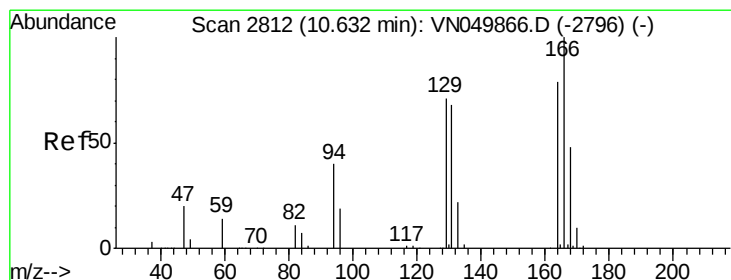
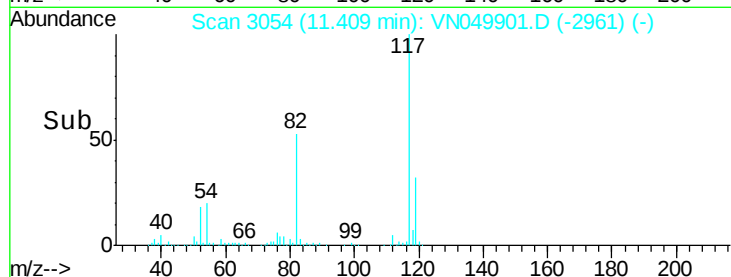
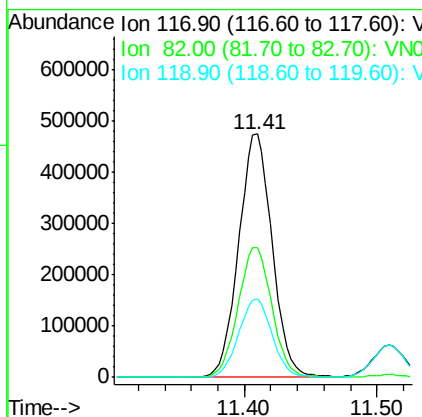
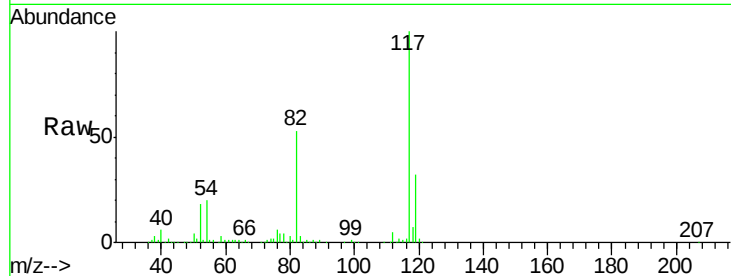
ClientSampleId :

VN0718WBS03

Tot Ion:	117	Resp:	830220
Ion Ratio	Lower	Upper	
117	100		
82	53.2	41.9	62.9
119	32.1	25.4	38.2

Manual Integrations
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#64

Tetrachloroethene

Concen: 19.99 ug/l

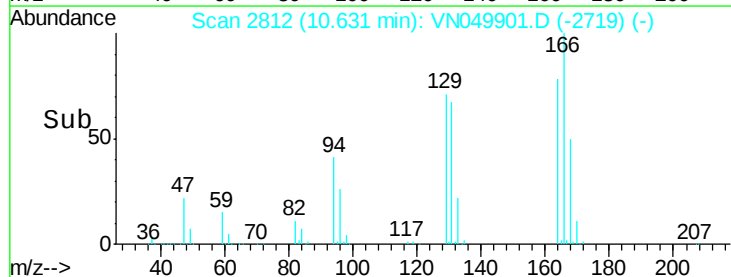
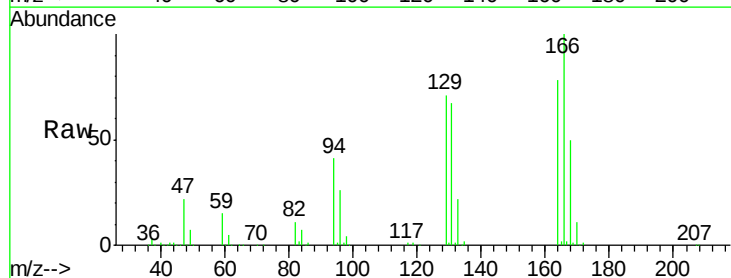
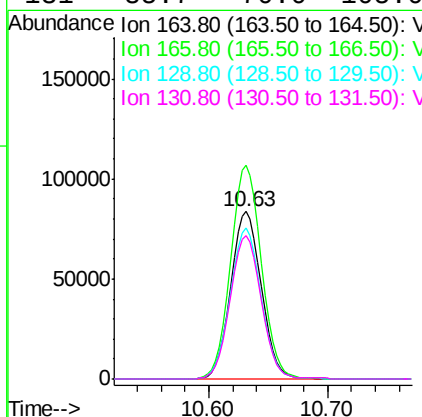
RT: 10.63 min Scan# 2812

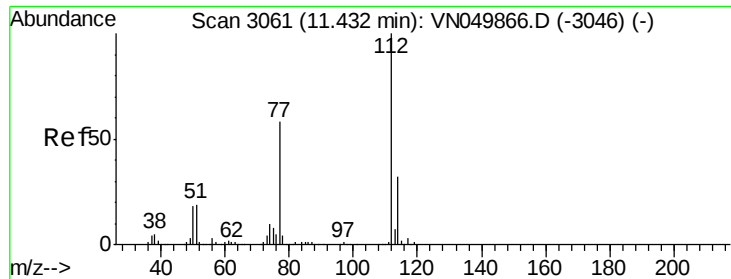
Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Tgt Ion:	164	Resp:	149169
Ion Ratio	Lower	Upper	
164	100		
166	127.5	101.8	152.6
129	90.4	72.8	109.2
131	85.7	70.0	105.0





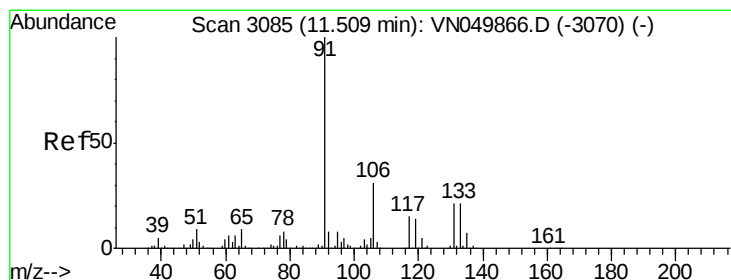
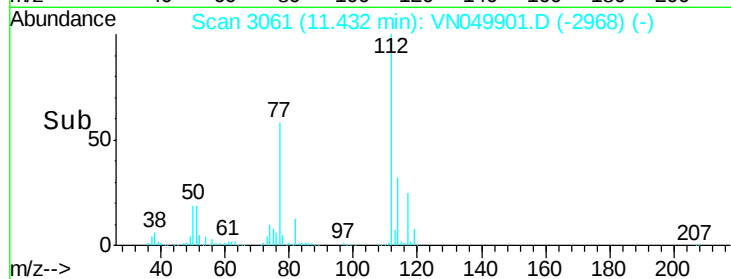
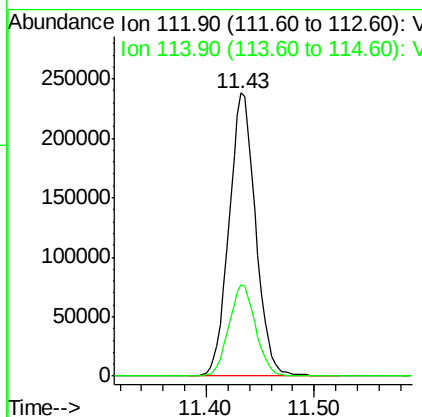
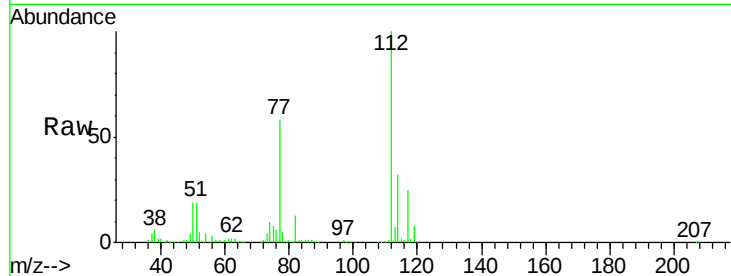
#65
Chlorobenzene
Concen: 19.61 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Instrument :
MSVOA_N
ClientSampled :
VN0718WBS03

Tot Ion:112 Resp: 409005
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.0

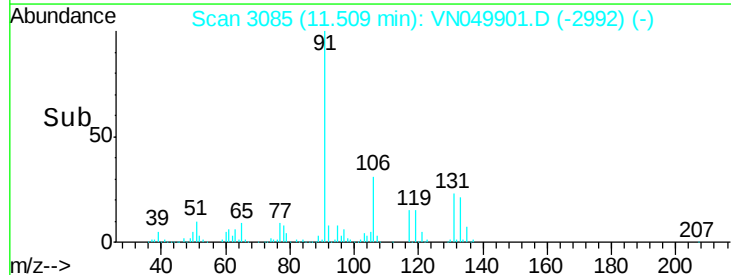
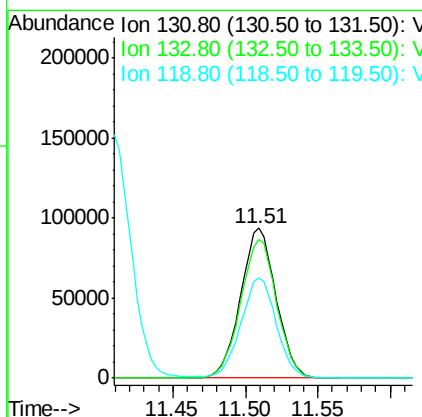
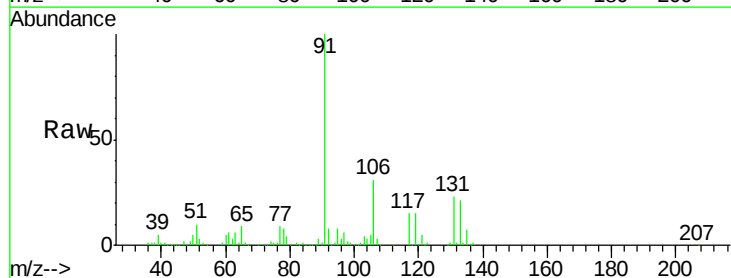
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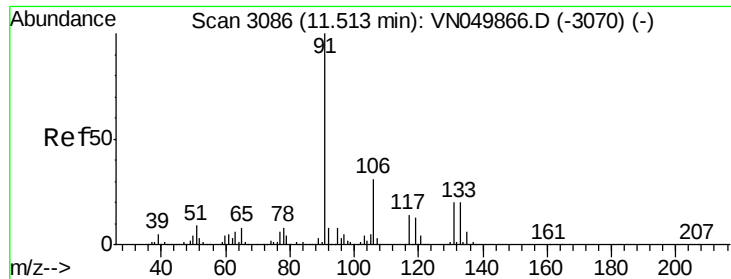
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.69 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Tgt Ion:131 Resp: 159061
Ion Ratio Lower Upper
131 100
133 93.9 47.5 142.6
119 66.9 33.1 99.3





#67

Ethyl Benzene

Concen: 20.26 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Instrument :

MSVOA_N

ClientSampled :

VN0718WBS03

Tot Ion: 91 Resp: 685577

Ion Ratio Lower Upper

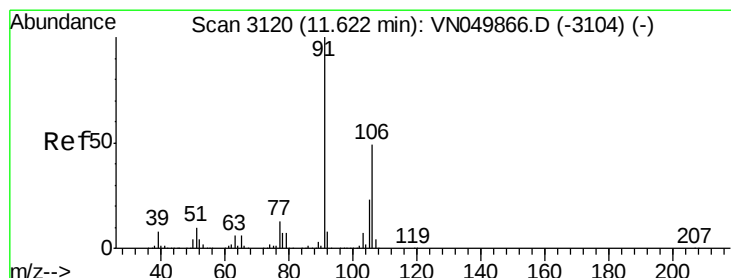
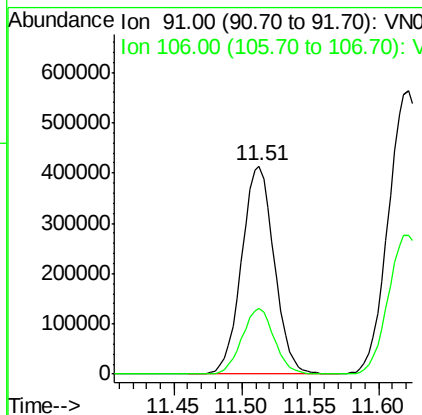
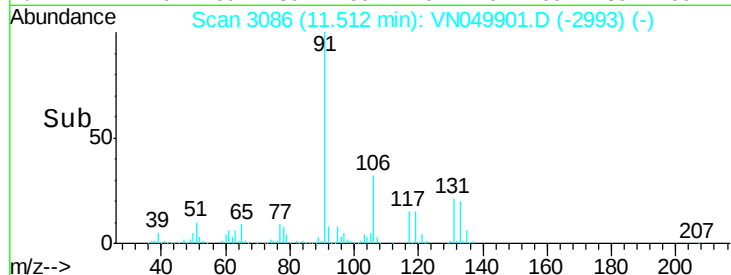
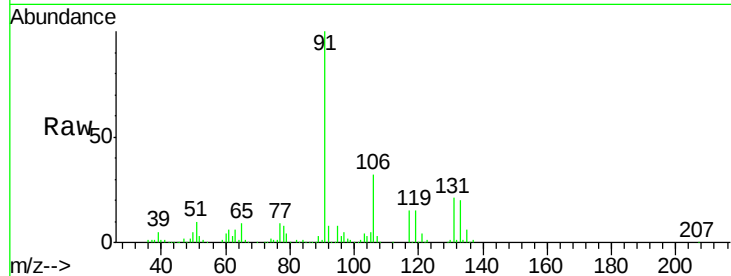
91 100

106 31.7 24.8 37.2

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#68

m/p-Xylenes

Concen: 41.72 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049901.D

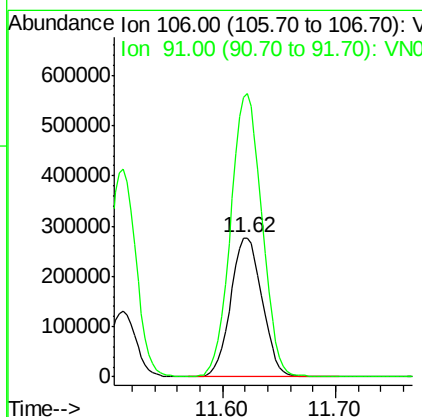
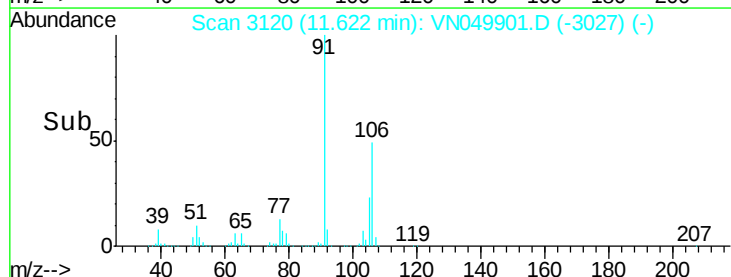
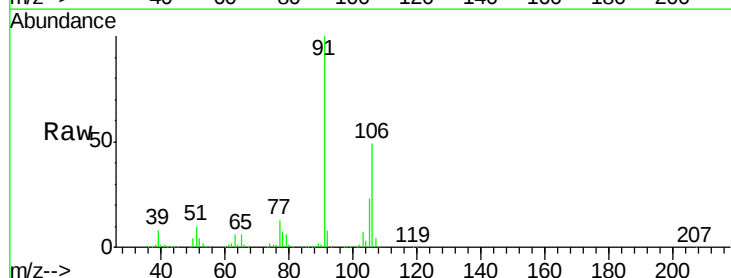
Acq: 19 Jul 2018 4:27

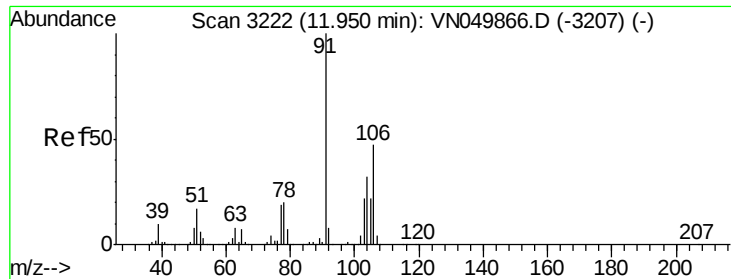
Tgt Ion: 106 Resp: 534400

Ion Ratio Lower Upper

106 100

91 203.0 163.4 245.2





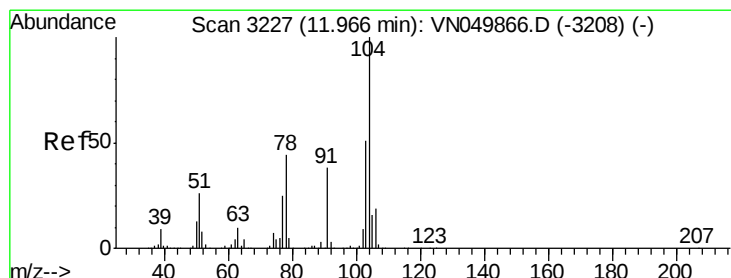
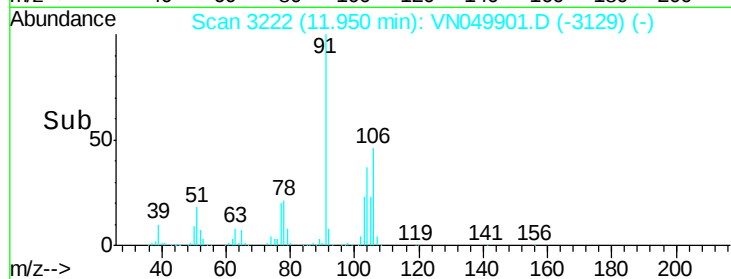
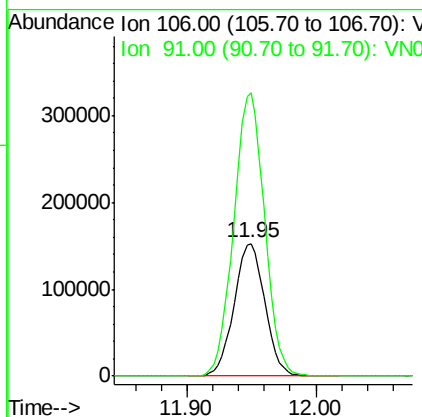
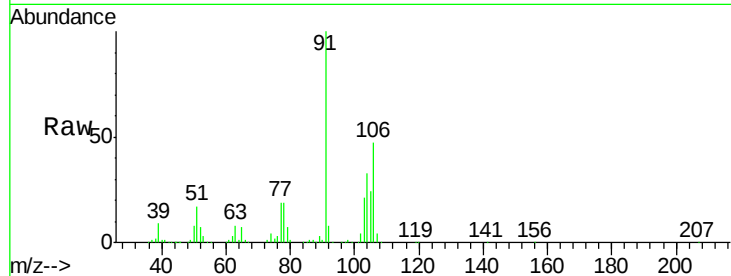
#69
o-Xylene
Concen: 20.56 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Instrument :
MSVOA_N
ClientSampled :
VN0718WBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		252971		
91	214.4	108.7	326.1		

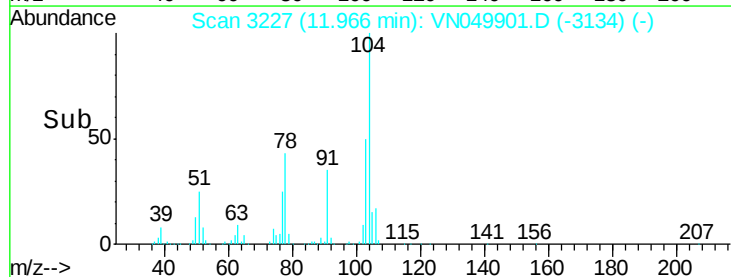
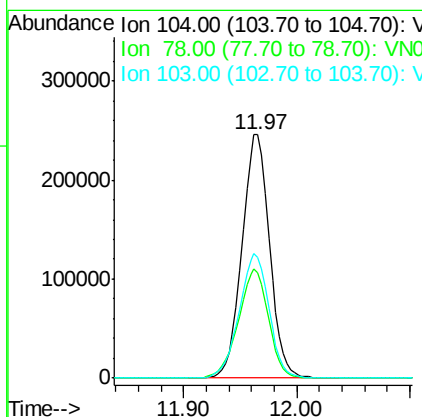
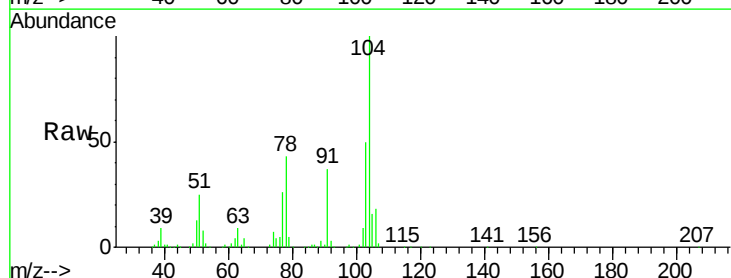
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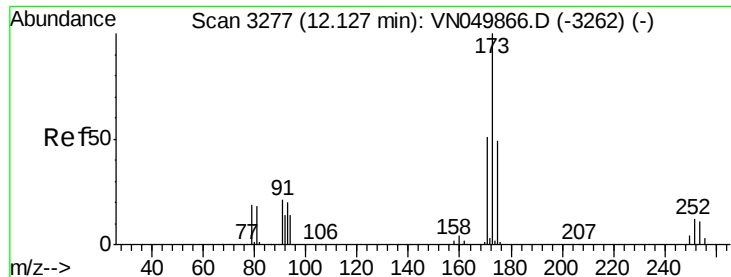
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#70
Styrene
Concen: 21.01 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		418712		
78	48.7	39.2	58.8		
103	55.2	44.6	67.0		





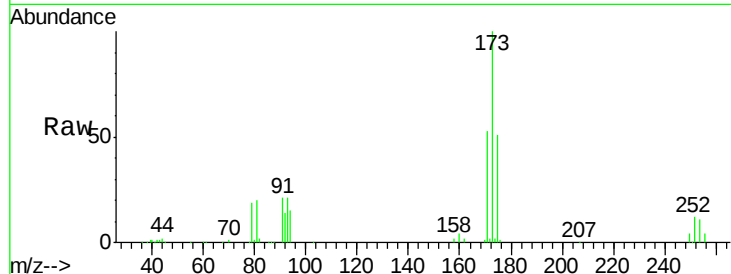
#71
Bromoform
Concen: 19.17 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS03

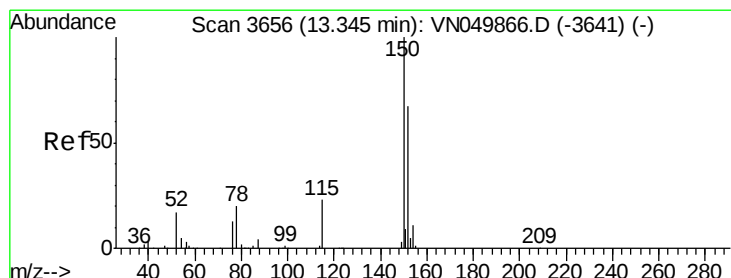
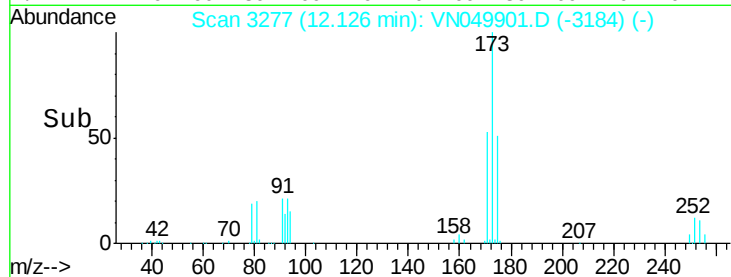
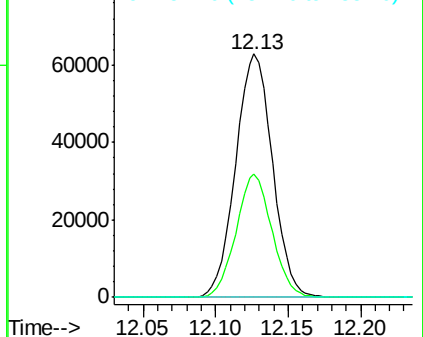
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	73.8
254	0.0	0.2	0.2

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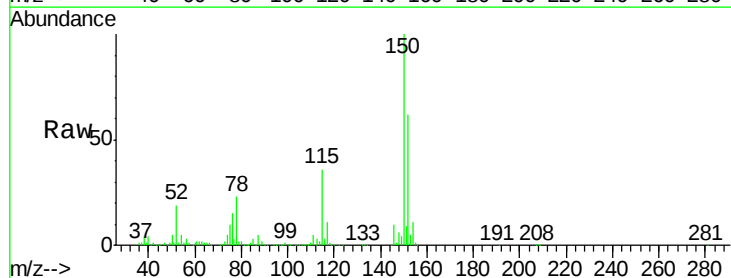


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

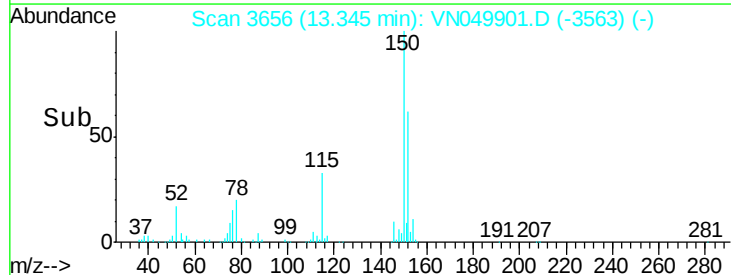
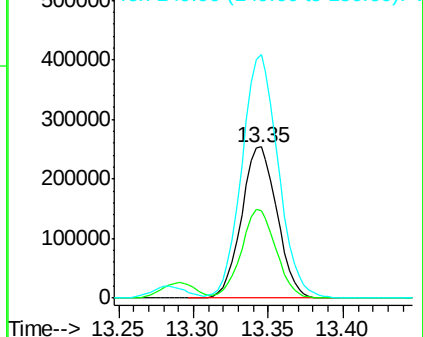


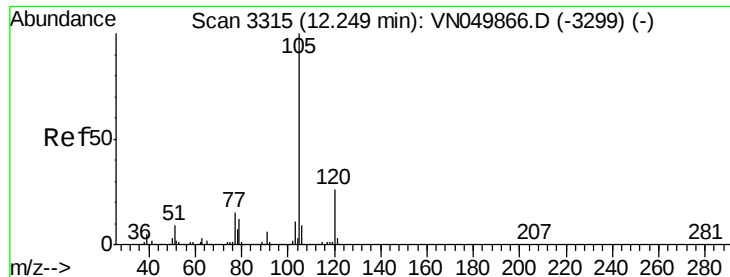
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.1	84.2
150	165.5	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: 21.57 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS03

Tot Ion: 105 Resp: 684997

Ion Ratio Lower Upper

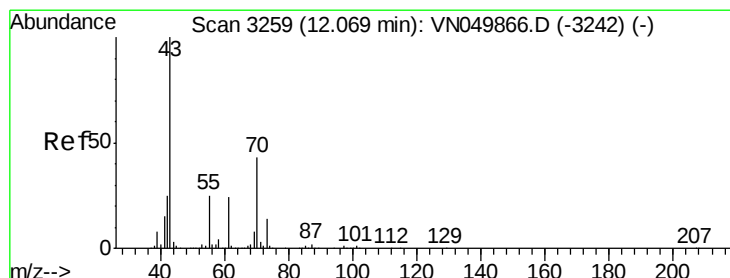
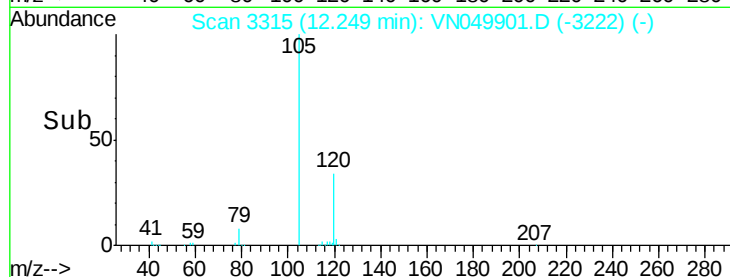
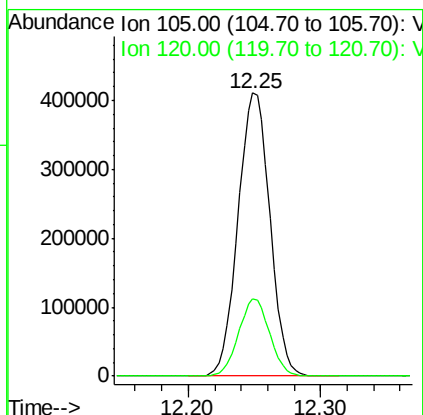
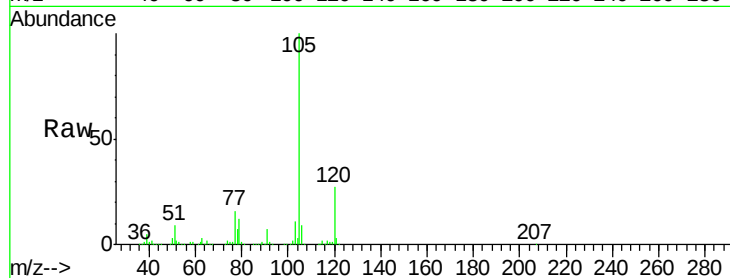
105 100

120 26.5 13.3 39.8

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#74

N-ethyl acetate

Concen: 20.11 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Tgt Ion: 43 Resp: 194408

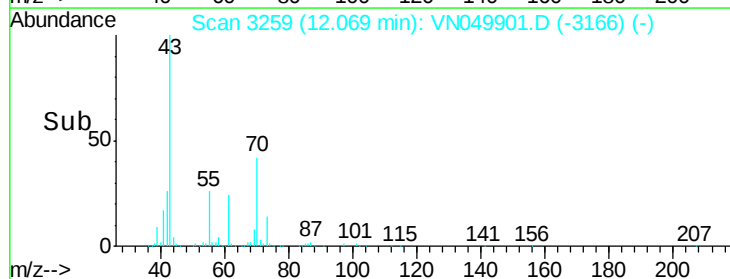
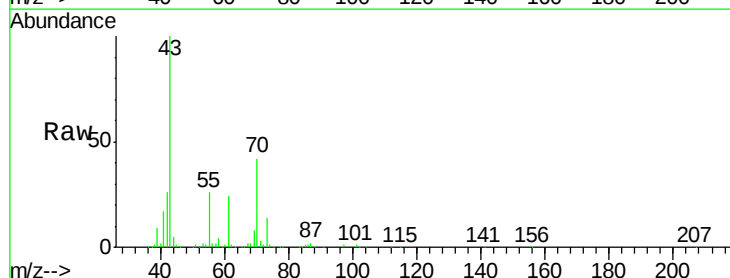
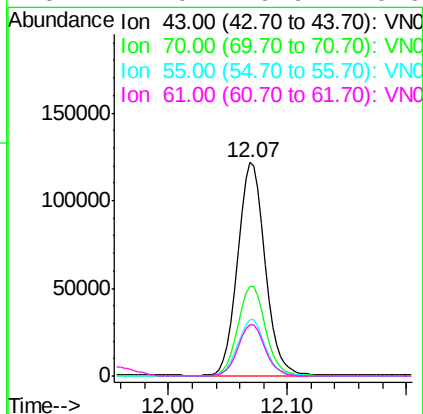
Ion Ratio Lower Upper

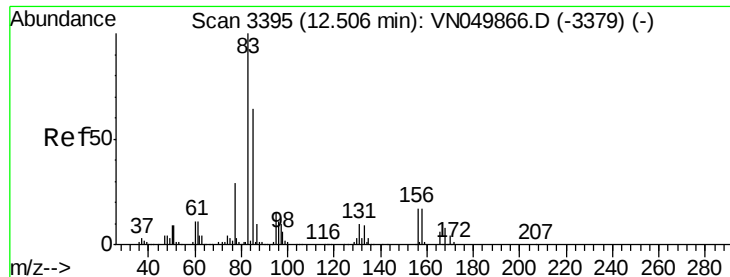
43 100

70 42.8 34.8 52.2

55 26.5 20.9 31.3

61 24.0 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.37 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Instrument :

MSVOA_N

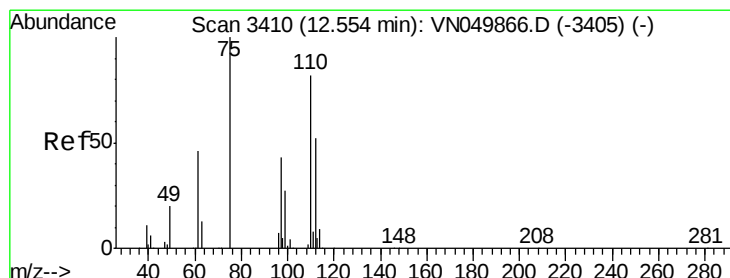
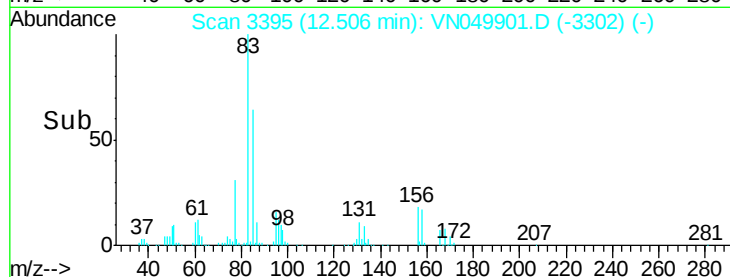
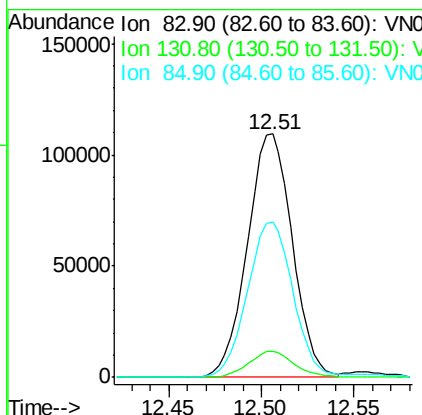
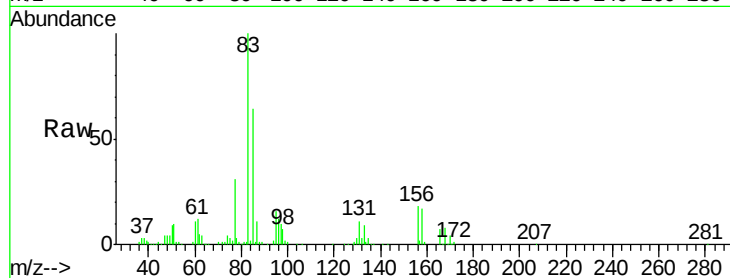
ClientSampleId :

VN0718WBS03

Tot Ion:	83	Resp:	184359
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.2	15.6
85	64.4	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.45 ug/l m

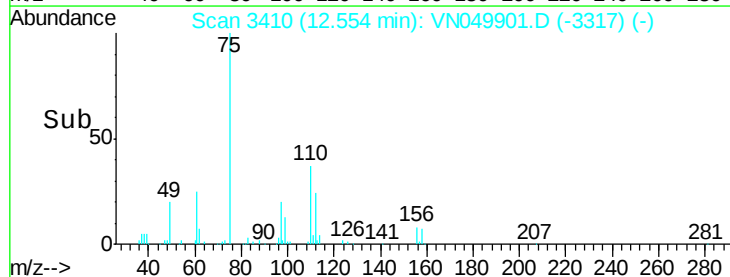
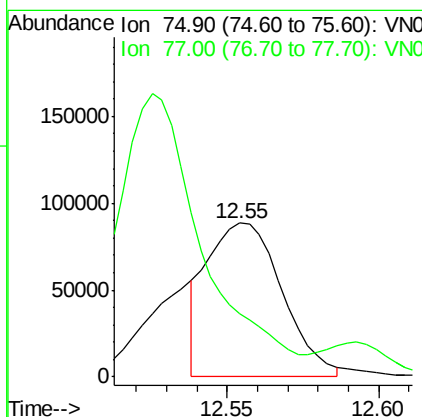
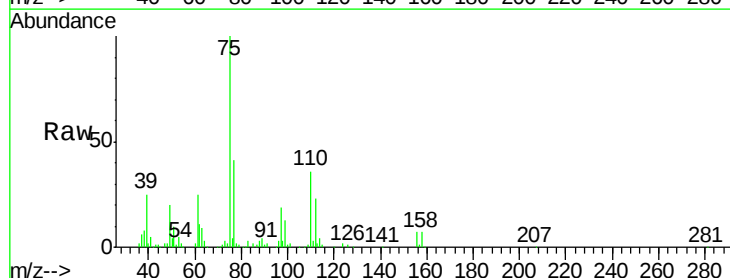
RT: 12.55 min Scan# 3410

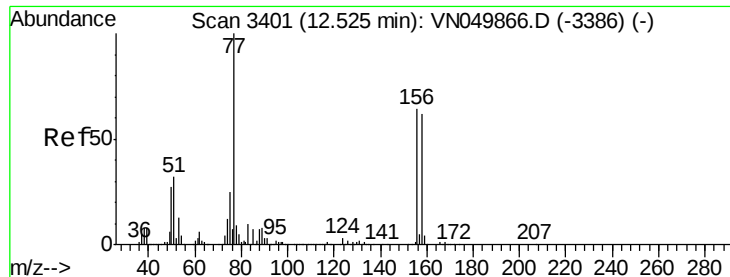
Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Tgt Ion:	75	Resp:	152518
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





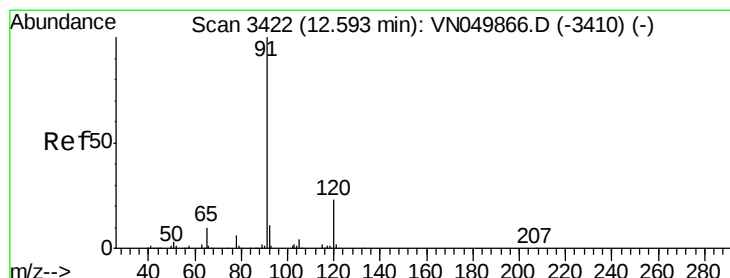
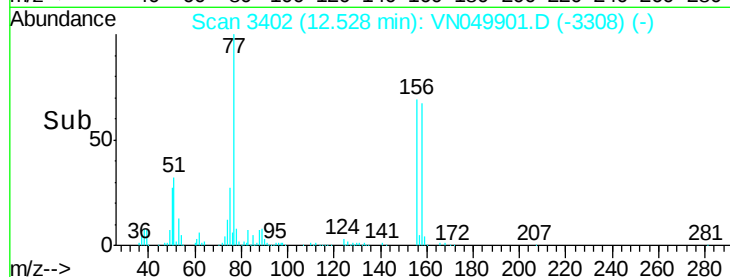
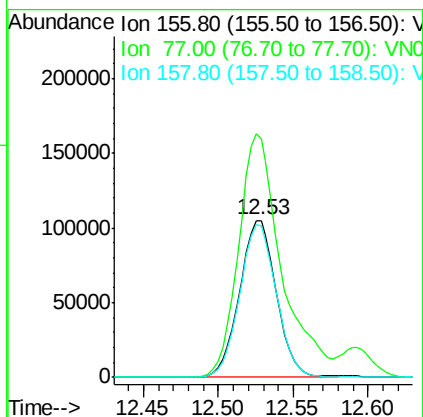
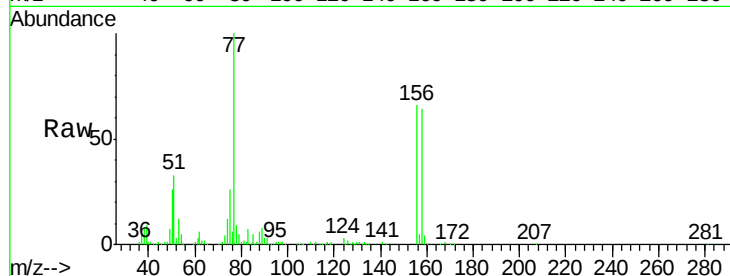
#77
Bromobenzene
Concen: 20.51 ug/l
RT: 12.53 min Scan# 3402
Delta R.T. 0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS03

Tot Ion	Ratio	Lower	Upper
156	100		
77	181.4	90.2	270.6
158	97.0	49.1	147.3

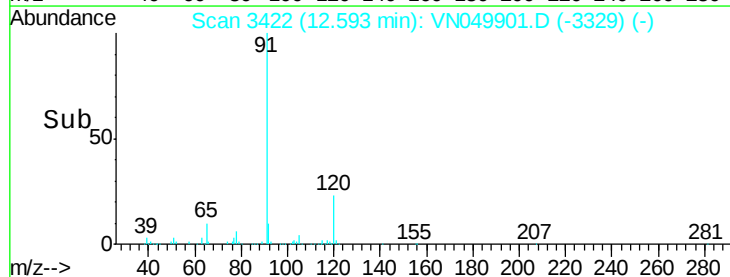
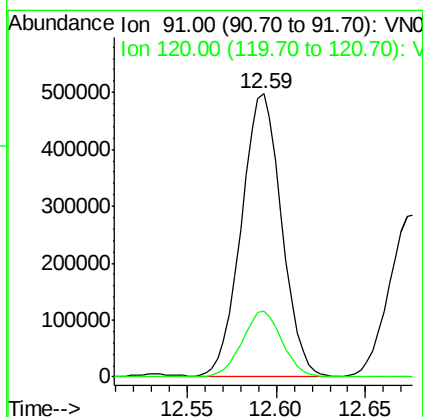
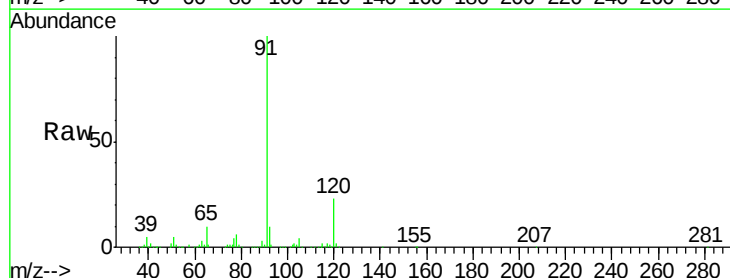
Manual Integrations
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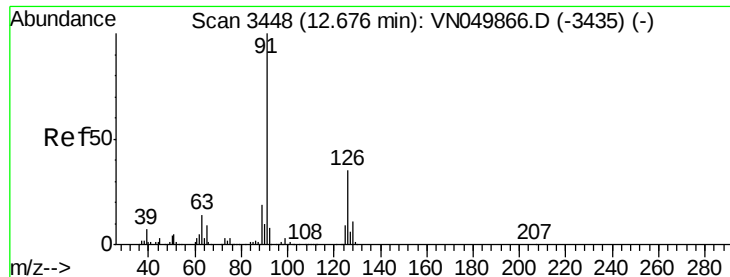
apatel
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#78
n-propylbenzene
Concen: 21.60 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.5	34.4





#79

2-Chlorotoluene

Concen: 21.36 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS03

Tot Ion: 91 Resp: 473663

Ion Ratio Lower Upper

91 100

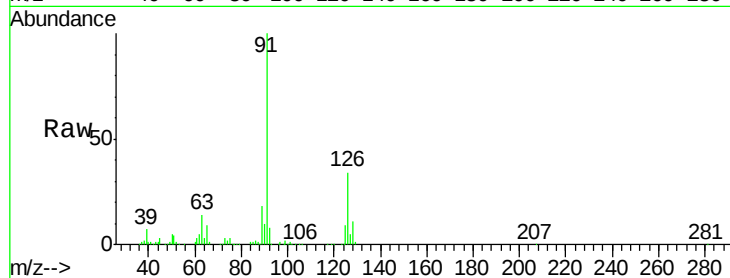
126 34.9 17.5 52.5

Manual Integrations

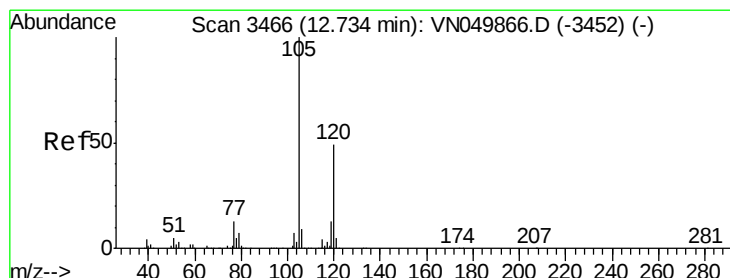
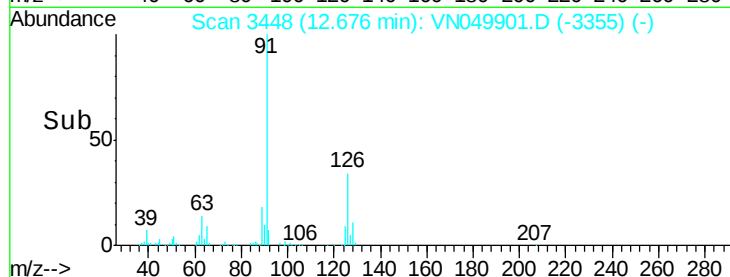
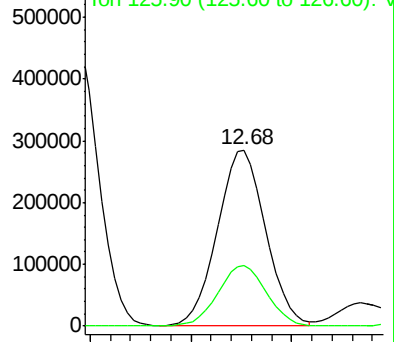
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Abundance Ion 91.00 (90.70 to 91.70): VN049866.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.31 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049901.D

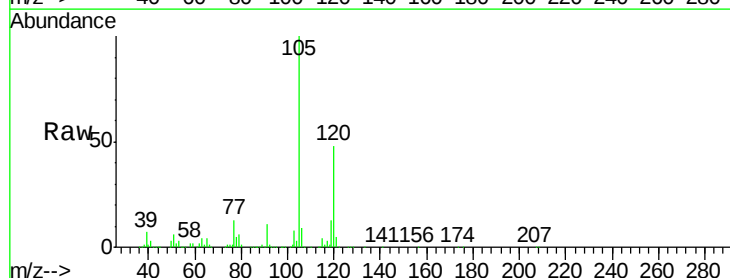
Acq: 19 Jul 2018 4:27

Tgt Ion: 105 Resp: 568012

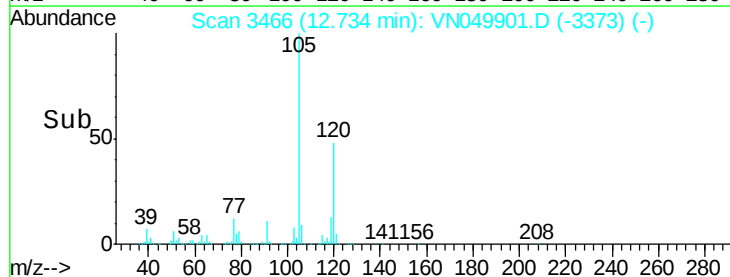
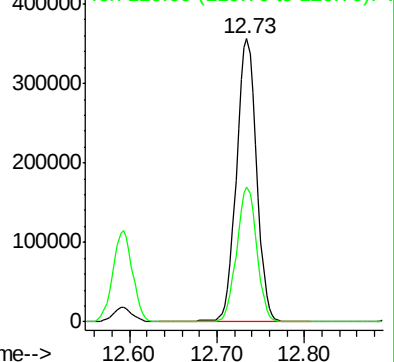
Ion Ratio Lower Upper

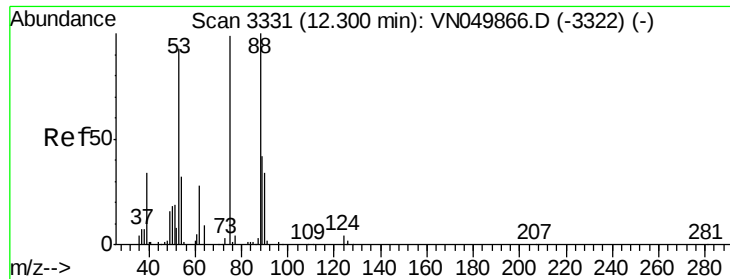
105 100

120 47.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049866.D (-3452) (-)





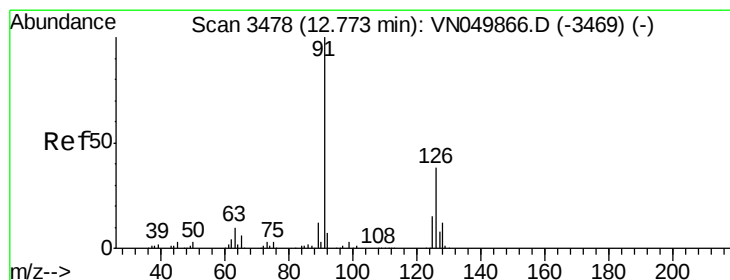
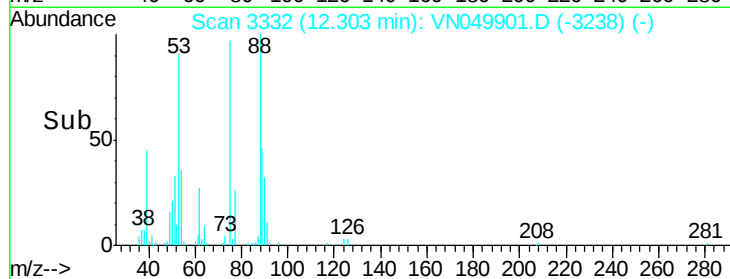
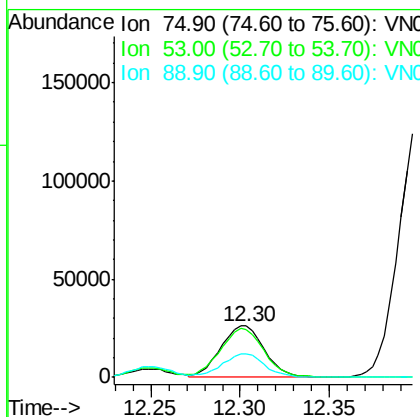
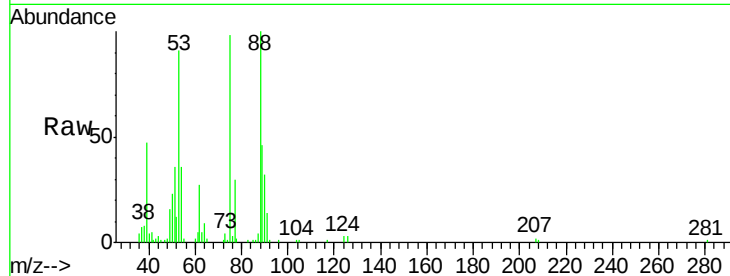
#81
trans-1,4-Dichloro-2-butene
Concen: 17.75 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS03

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.7	73.9	110.9
89	44.9	35.9	53.9

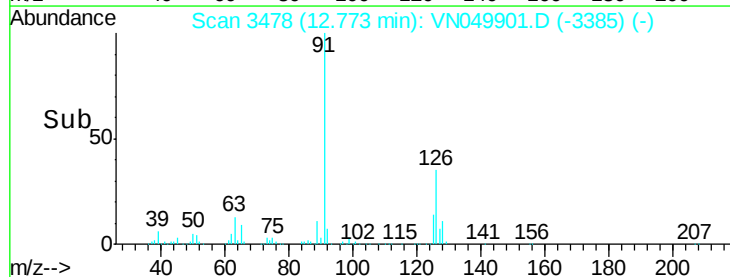
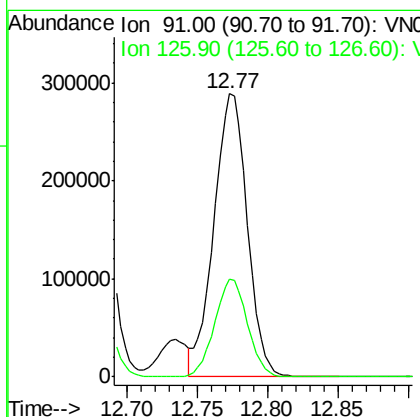
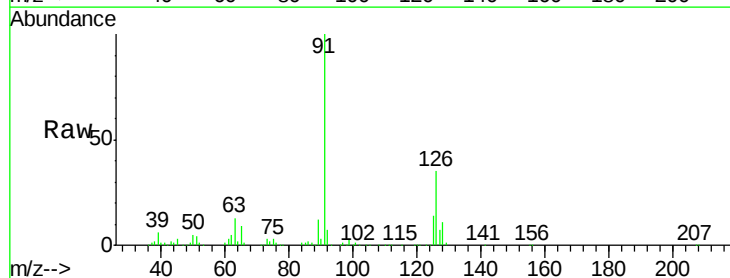
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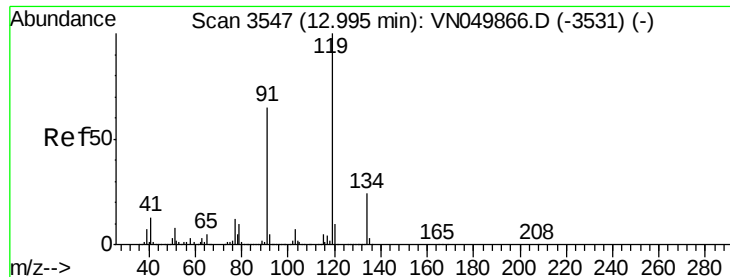
apatel
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#82
4-Chlorotoluene
Concen: 21.31 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.2	51.6





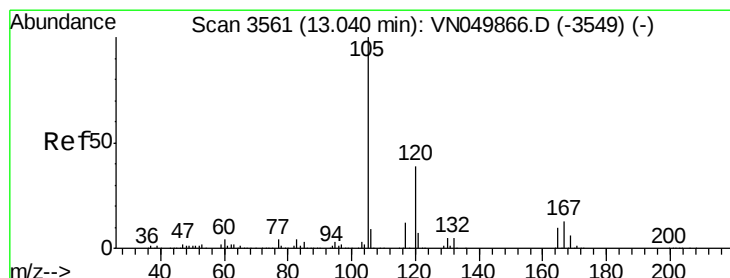
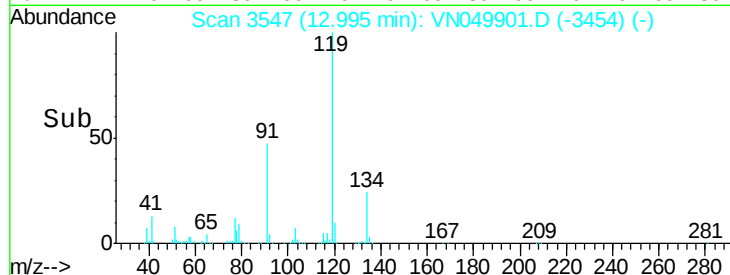
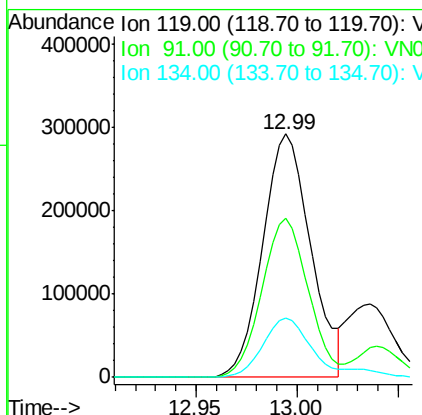
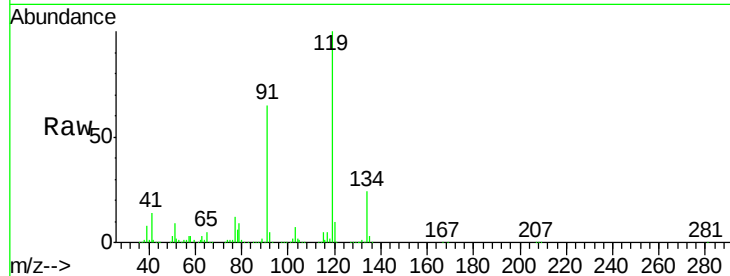
#83
 tert-Butylbenzene
 Concen: 21.67 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049901.D
 Acq: 19 Jul 2018 4:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS03

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.5	32.0	96.2
134	24.1	12.8	38.4

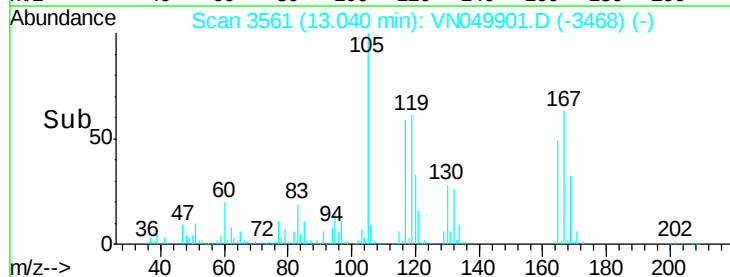
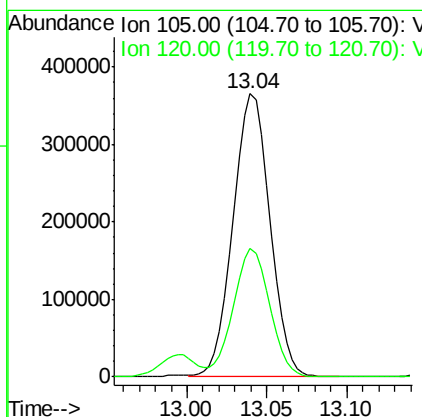
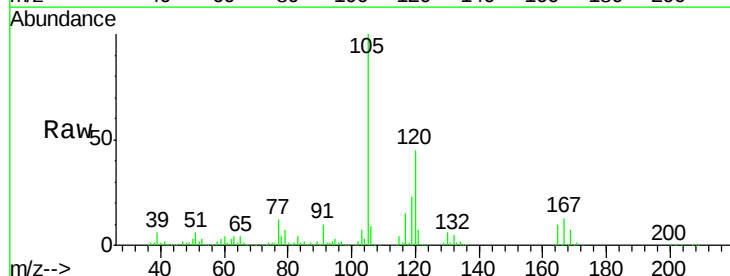
Manual Integrations
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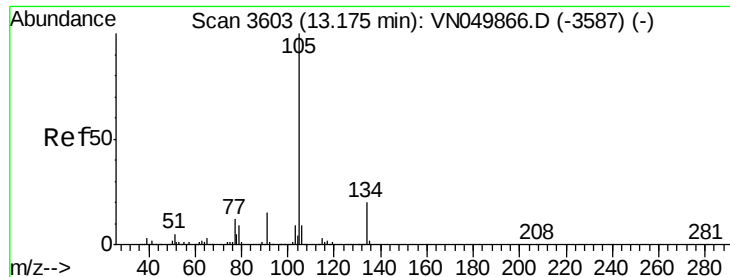
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.17 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN049901.D
 Acq: 19 Jul 2018 4:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.7	68.1





#85

sec-Butylbenzene

Concen: 21.49 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS03

Tot Ion:105 Resp: 634795

Ion Ratio Lower Upper

105 100

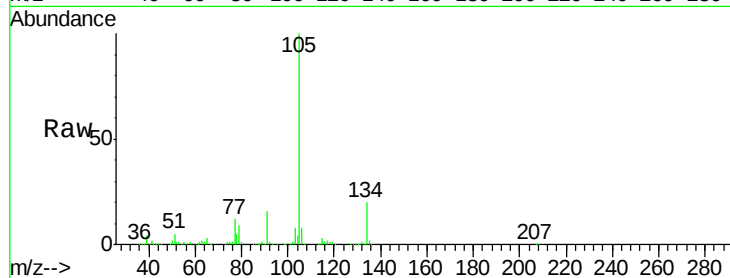
134 20.2 10.1 30.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

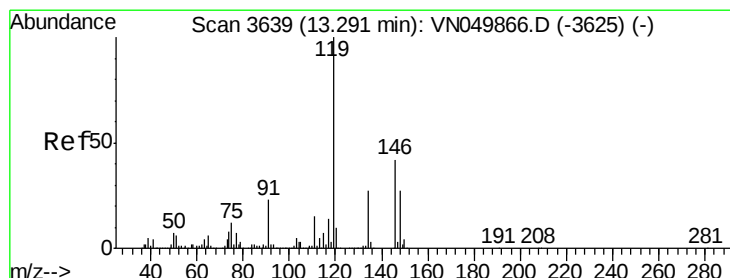
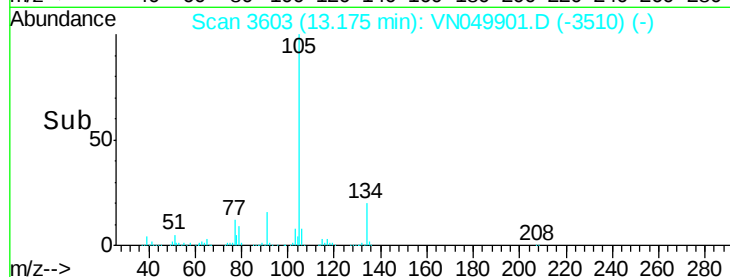
300000

200000

100000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 21.31 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

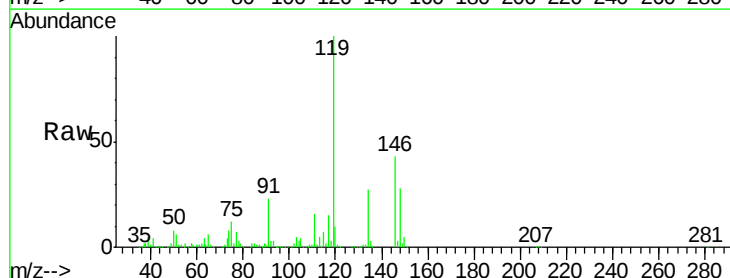
Tgt Ion:119 Resp: 536643

Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.9

91 23.3 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

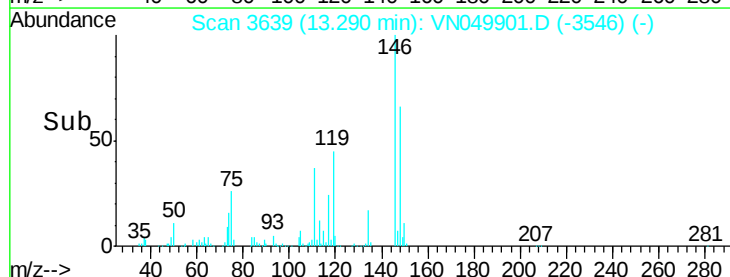
300000

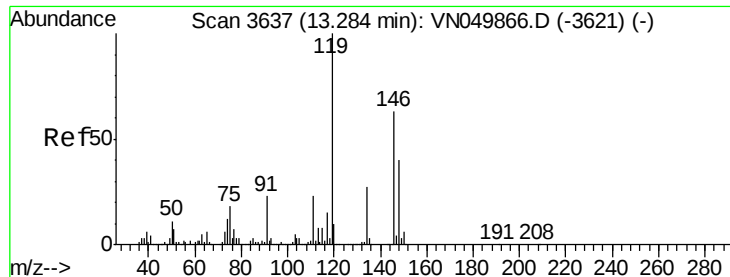
200000

100000

0

Time--> 13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 19.98 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN049901.D

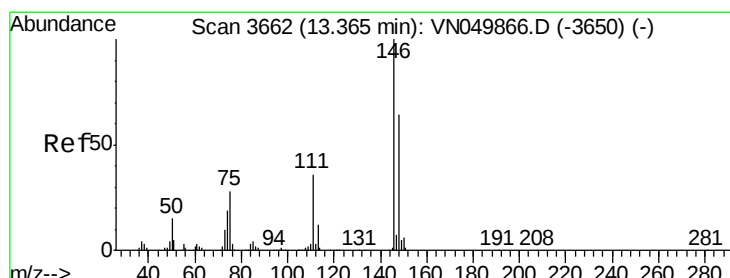
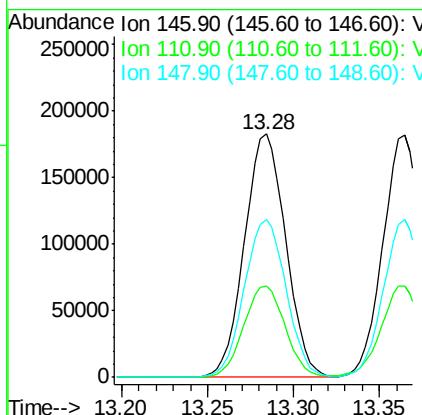
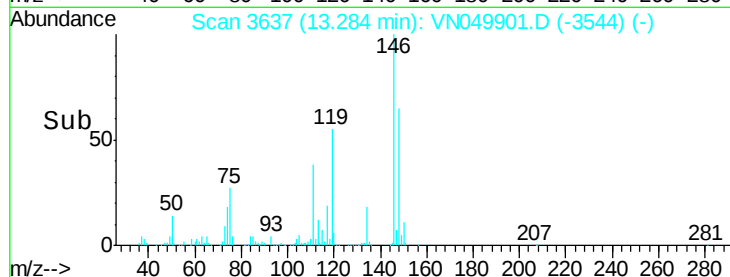
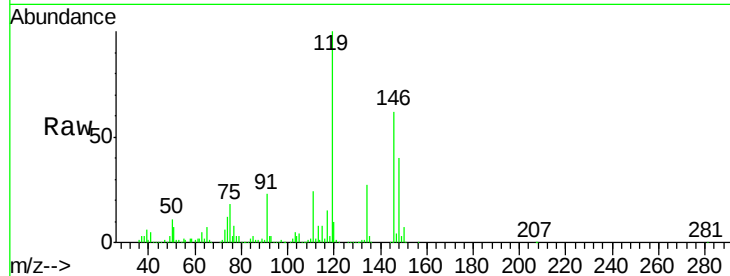
Acq: 19 Jul 2018 4:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.0	57.0
148	65.5	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.58 ug/l

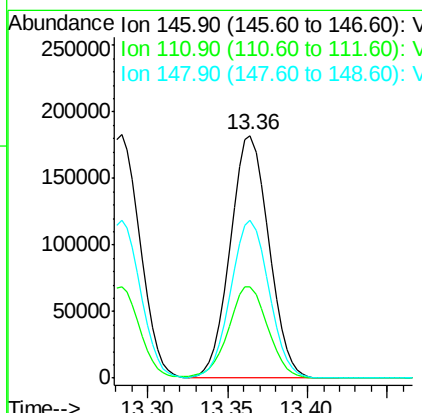
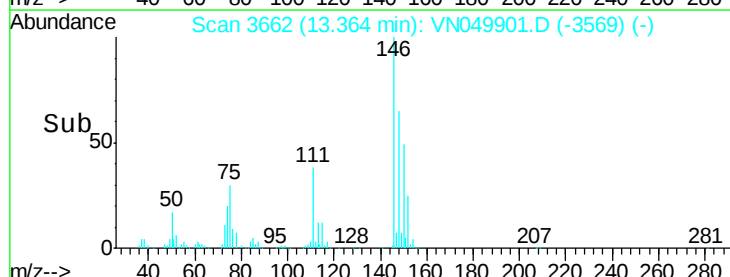
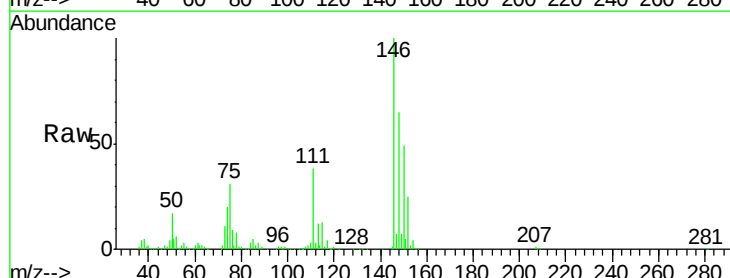
RT: 13.36 min Scan# 3662

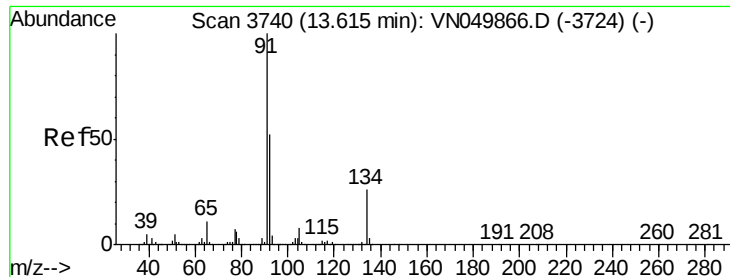
Delta R.T. -0.00 min

Lab File: VN049901.D

Acq: 19 Jul 2018 4:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.9	56.5
148	64.6	32.1	96.3





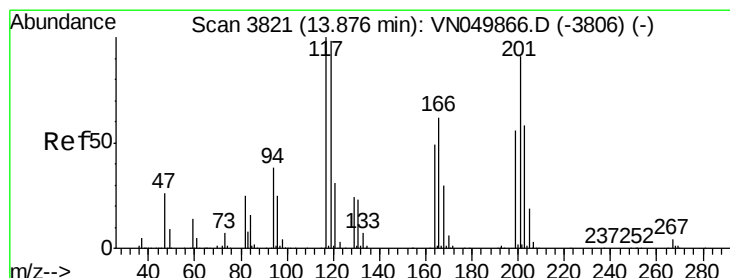
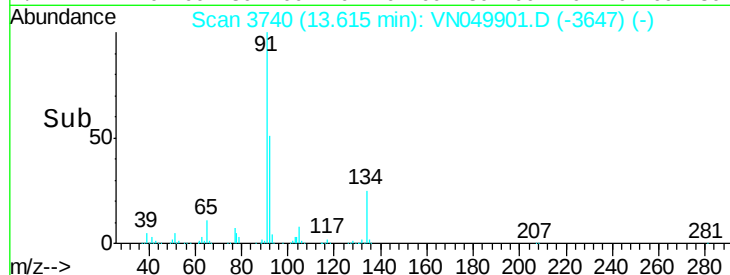
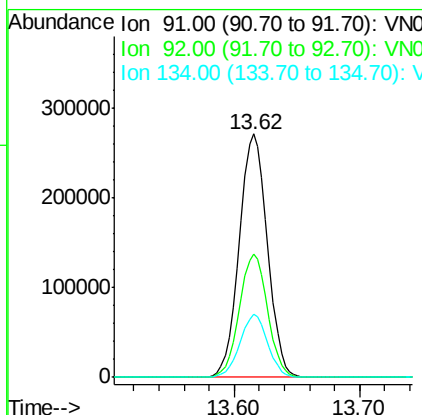
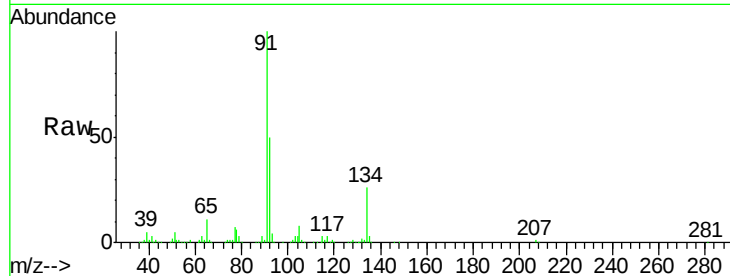
#89
n-Butylbenzene
Concen: 20.23 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.8	77.3
134	25.5	13.0	38.9

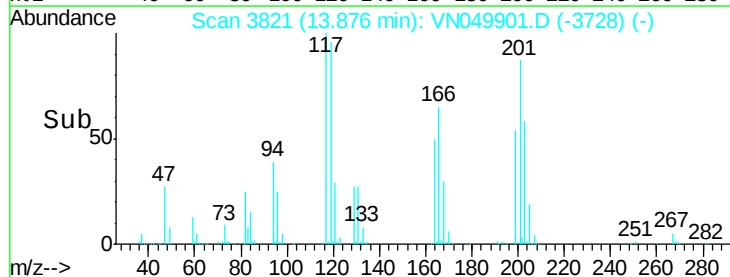
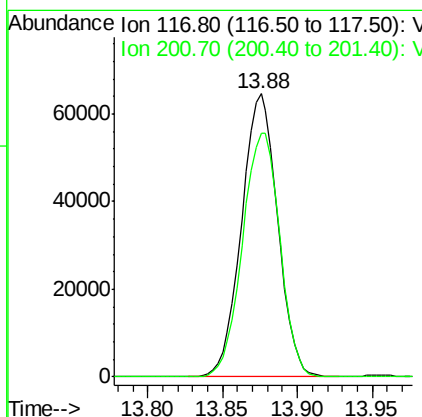
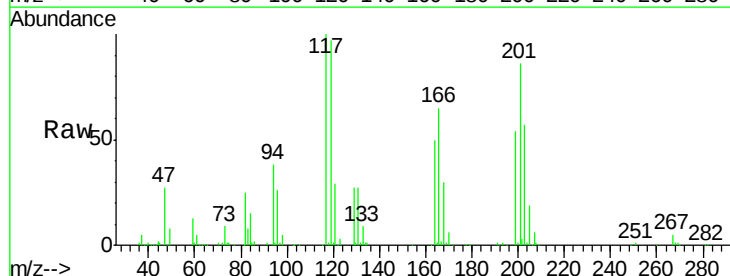
Manual Integrations
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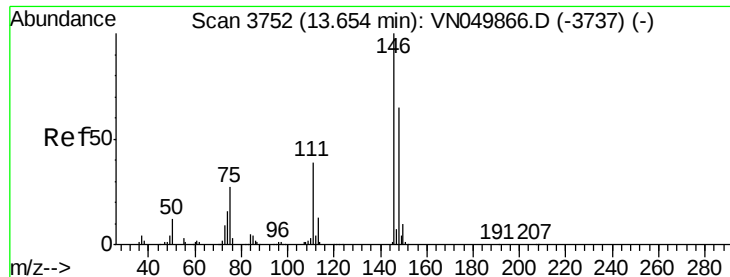
apatel
7/19/2018 4:30:17 PM



#90
Hexachloroethane
Concen: 19.20 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.0	45.3	135.8





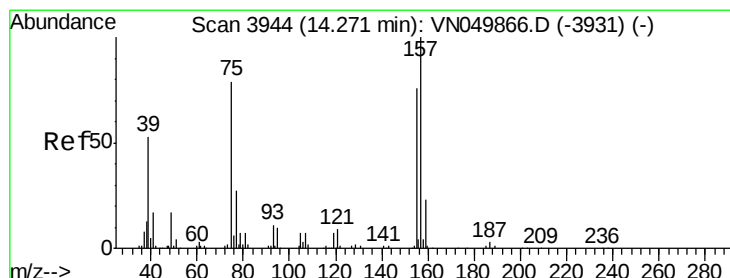
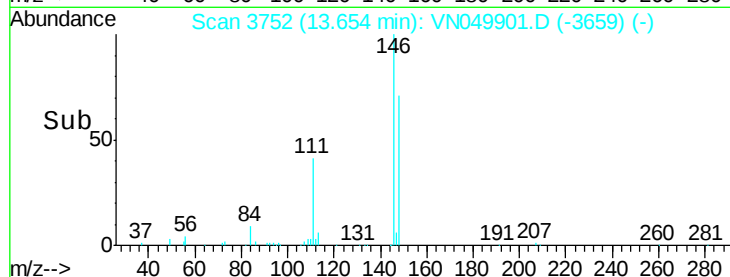
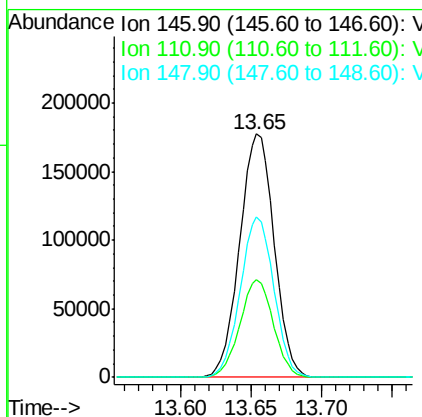
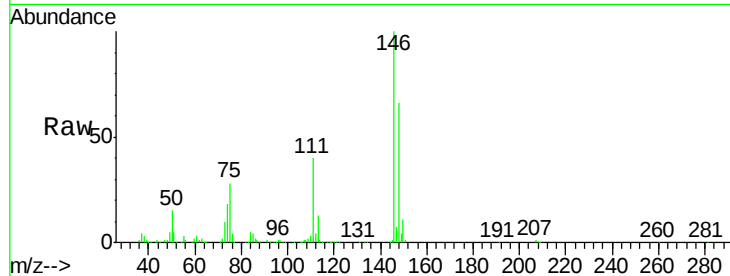
#91
 1,2-Dichlorobenzene
 Concen: 20.25 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049901.D
 Acq: 19 Jul 2018 4:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.1
148	64.1	32.0	96.2

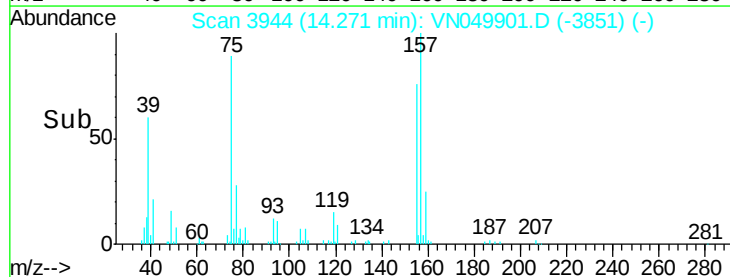
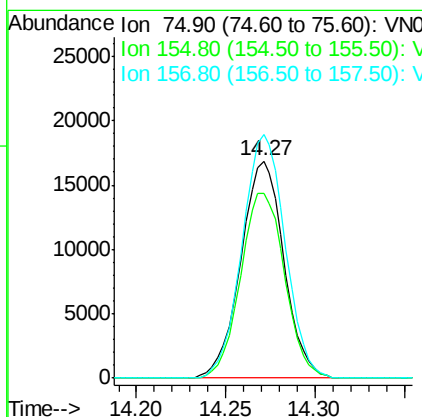
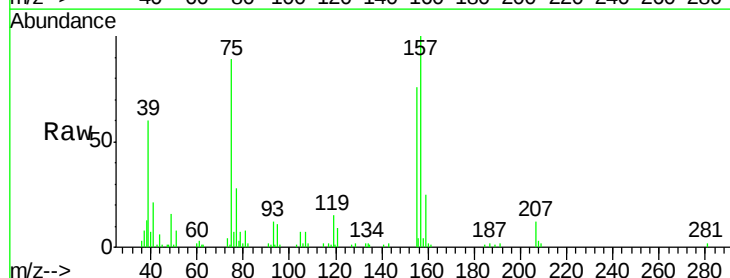
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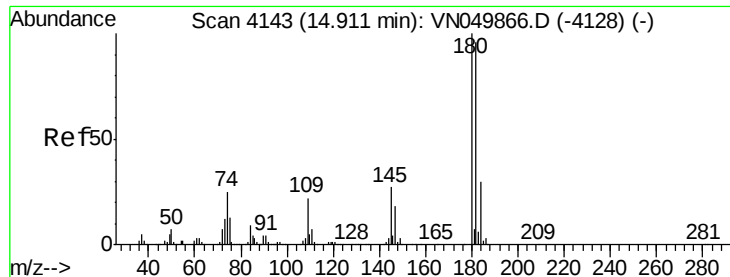
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.30 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN049901.D
 Acq: 19 Jul 2018 4:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	45.7	137.1
157	112.1	56.9	170.7





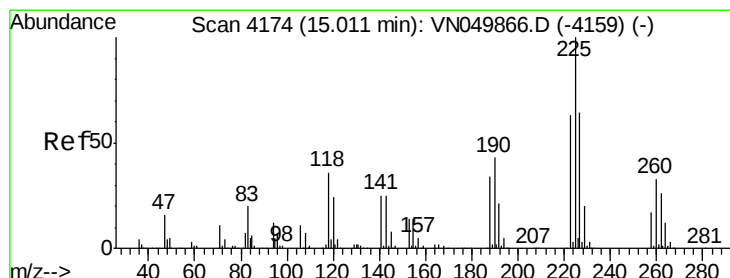
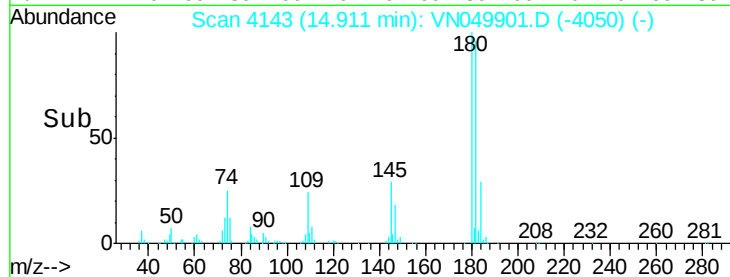
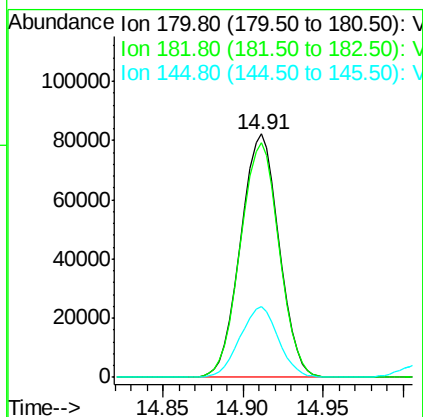
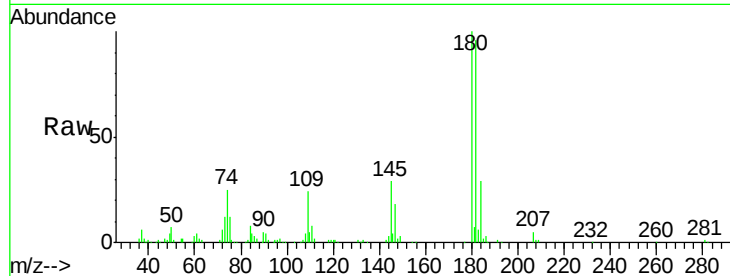
#93
 1,2,4-Trichlorobenzene
 Concen: 18.55 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049901.D
 Acq: 19 Jul 2018 4:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	134203		
182	97.2	47.3	141.9	
145	29.0	14.4	43.0	

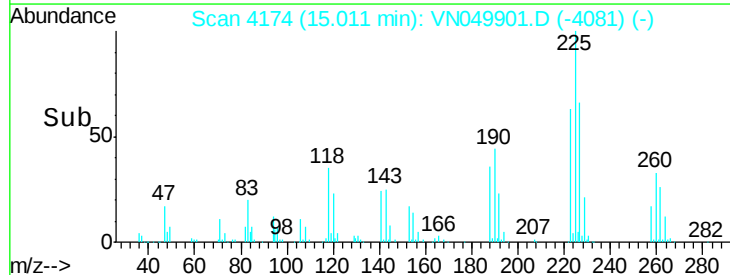
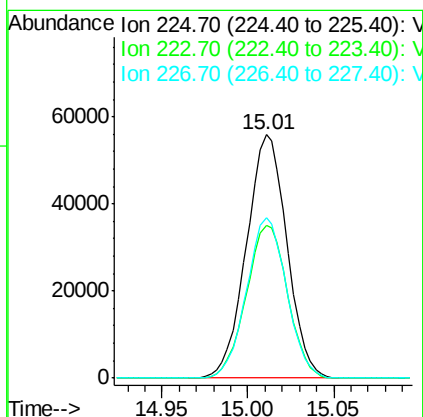
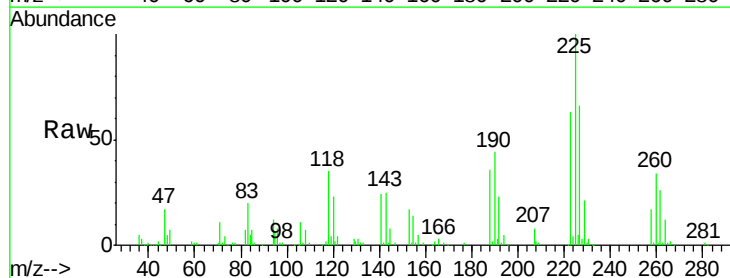
Manual Integrations
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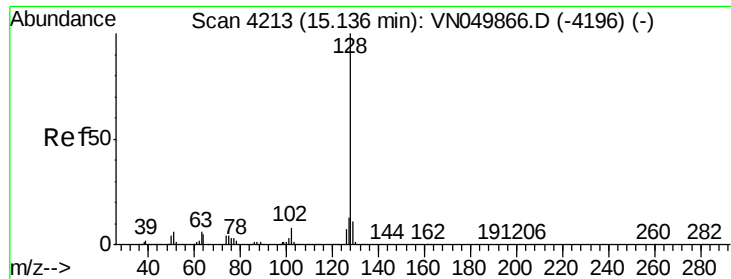
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#94
 Hexachlorobutadiene
 Concen: 18.51 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049901.D
 Acq: 19 Jul 2018 4:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91141		
223	63.8	30.9	92.7	
227	65.1	31.8	95.4	





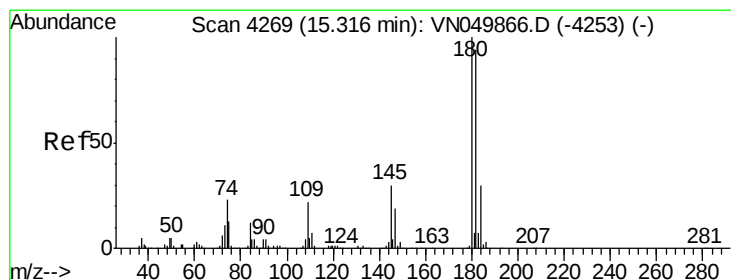
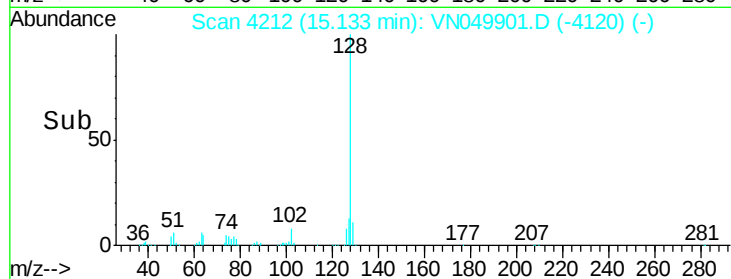
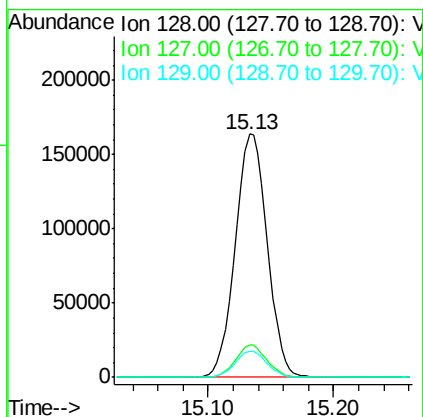
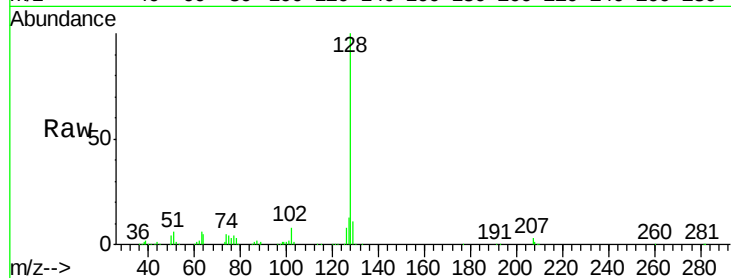
#95
Naphthalene
Concen: 17.83 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS03

Tot Ion	Ratio	Resp	Lower	Upper
128	100	290143		
127	12.9	10.4	15.6	
129	10.7	8.6	13.0	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.23 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049901.D
Acq: 19 Jul 2018 4:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	138596		
182	96.4	47.4	142.2	
145	30.0	15.2	45.6	

