

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049877.D
 Acq On : 18 Jul 2018 17:11
 Operator : MD\SY
 Sample : VN0718WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD01

Manual Integrations
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 7/19/2018 4:30:51 PM

Quant Time: Jul 19 04:36:46 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	586763	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	885847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	803024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	412322	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	430106	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	
35) Dibromofluoromethane	7.59	113	378005	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
50) Toluene-d8	10.09	98	1381181	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.40	95	460857	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	111848	20.04	ug/l	97
3) Chloromethane	2.06	50	150171	18.75	ug/l	100
4) Vinyl Chloride	2.18	62	164198	19.22	ug/l	99
5) Bromomethane	2.56	94	105044	20.88	ug/l	97
6) Chloroethane	2.70	64	105932	18.99	ug/l	99
7) Trichlorofluoromethane	3.01	101	226009	19.25	ug/l	98
8) Diethyl Ether	3.41	74	80530	19.66	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	136525	18.86	ug/l	99
10) Methyl Iodide	3.95	142	175957	18.11	ug/l	98
11) Tert butyl alcohol	4.81	59	64026	111.44	ug/l	99
12) 1,1-Dichloroethene	3.73	96	121838	19.15	ug/l	98
13) Acrolein	3.61	56	39122	105.67	ug/l	99
14) Allyl chloride	4.32	41	195354	19.48	ug/l	98
15) Acrylonitrile	5.00	53	266967	105.65	ug/l	98
16) Acetone	3.82	43	208748	99.97	ug/l	97
17) Carbon Disulfide	4.05	76	347348	18.25	ug/l	100
18) Methyl Acetate	4.33	43	153799	22.99	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	367118	20.97	ug/l	100
20) Methylene Chloride	4.55	84	147041	18.52	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	133928	19.83	ug/l	99
22) Diisopropyl ether	5.96	45	434980	21.26	ug/l	99
23) Vinyl Acetate	5.90	43	1524908	106.21	ug/l	100
24) 1,1-Dichloroethane	5.85	63	261574	19.91	ug/l	100
25) 2-Butanone	6.84	43	317116	106.27	ug/l	100
26) 2,2-Dichloropropane	6.82	77	206285	20.18	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	152589	20.59	ug/l	98
28) Bromochloromethane	7.20	49	126565	21.33	ug/l	99
29) Tetrahydrofuran	7.22	42	208695	111.01	ug/l	99
30) Chloroform	7.37	83	270097	20.03	ug/l	100
31) Cyclohexane	7.65	56	210584	19.69	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	228498	19.60	ug/l	99
36) 1,1-Dichloropropene	7.79	75	188175	19.10	ug/l	99
37) Ethyl Acetate	6.94	43	144154	21.31	ug/l	98
38) Carbon Tetrachloride	7.77	117	198626	18.83	ug/l	98

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 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)

39) Methylcyclohexane	9.08	83	190882	18.76	ug/l	97
40) Benzene	8.04	78	595336	19.83	ug/l	100
41) Methacrylonitrile	7.18	41	70065	20.66	ug/l #	95
42) 1,2-Dichloroethane	8.13	62	197864	19.90	ug/l	99
43) Isopropyl Acetate	8.17	43	289820	24.53	ug/l	97
44) Trichloroethene	8.83	130	153104	19.45	ug/l	99
45) 1,2-Dichloropropane	9.12	63	157473	19.44	ug/l	100
46) Dibromomethane	9.21	93	99889	19.89	ug/l	97
47) Bromodichloromethane	9.40	83	208412	20.06	ug/l	99
48) Methyl methacrylate	9.20	41	121131	20.44	ug/l	98
49) 1,4-Dioxane	9.20	88	36870	438.48	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	723313	109.50	ug/l	99
52) Toluene	10.16	92	365843	20.43	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	203232	19.79	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	228984	20.17	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	143400	19.38	ug/l	99
56) Ethyl methacrylate	10.43	69	177790	19.28	ug/l	98
57) 1,3-Dichloropropane	10.71	76	235146	20.18	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	436812	110.84	ug/l	98
59) 2-Hexanone	10.75	43	485486	109.42	ug/l	98
60) Dibromochloromethane	10.90	129	158384	19.52	ug/l	98
61) 1,2-Dibromoethane	11.01	107	140374	20.31	ug/l	99
64) Tetrachloroethene	10.63	164	134590	18.65	ug/l	98
65) Chlorobenzene	11.44	112	395464	19.60	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	153416	19.63	ug/l	99
67) Ethyl Benzene	11.51	91	649161	19.83	ug/l	100
68) m/p-Xylenes	11.62	106	508415	41.03	ug/l	99
69) o-Xylene	11.95	106	241284	20.28	ug/l	97
70) Styrene	11.97	104	401581	20.83	ug/l	100
71) Bromoform	12.13	173	113295	20.27	ug/l #	100
73) Isopropylbenzene	12.25	105	647019	20.66	ug/l	100
74) N-amyl acetate	12.07	43	203385	21.33	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	192750	20.54	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	148471m	19.20	ug/l	
77) Bromobenzene	12.53	156	173383	20.05	ug/l	97
78) n-propylbenzene	12.59	91	737905	20.72	ug/l	100
79) 2-Chlorotoluene	12.68	91	451842	20.67	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	528433	21.05	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	50584	20.45	ug/l	96
82) 4-Chlorotoluene	12.77	91	449516	20.49	ug/l	99
83) tert-Butylbenzene	12.99	119	453021	20.55	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	535968	21.08	ug/l	99
85) sec-Butylbenzene	13.17	105	613133	21.05	ug/l	99
86) p-Isopropyltoluene	13.29	119	518793	20.89	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	295347	19.60	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	292402	19.35	ug/l	100
89) n-Butylbenzene	13.62	91	403661	19.68	ug/l	99
90) Hexachloroethane	13.88	117	105424	18.91	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	298824	20.17	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28922	19.95	ug/l	96

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ClientSampleId :
VN0718WBSD01

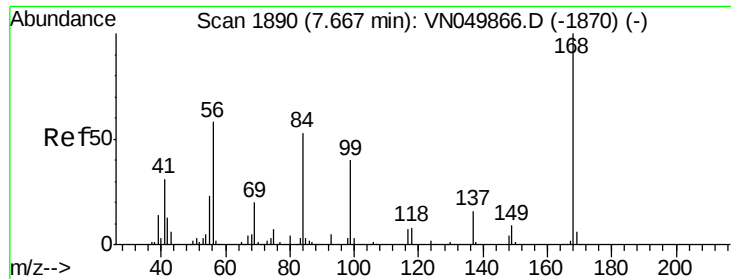
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	135514	18.91	ug/l	100
94) Hexachlorobutadiene	15.01	225	91603	18.87	ug/l	100
95) Naphthalene	15.14	128	303200	18.62	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	142004	19.98	ug/l	100

(#) = 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: VN049877.D

Acq: 18 Jul 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD01

Tot Ion:168 Resp: 586763

Ion Ratio Lower Upper

168 100

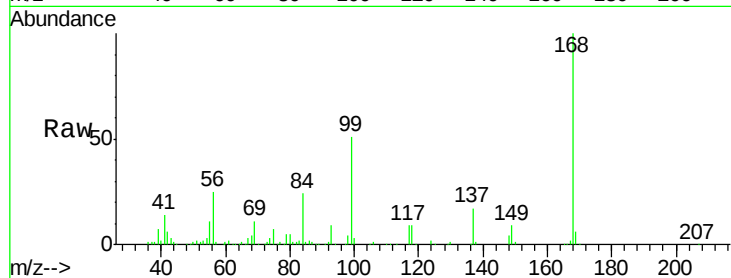
99 50.9 40.6 61.0

Manual Integrations

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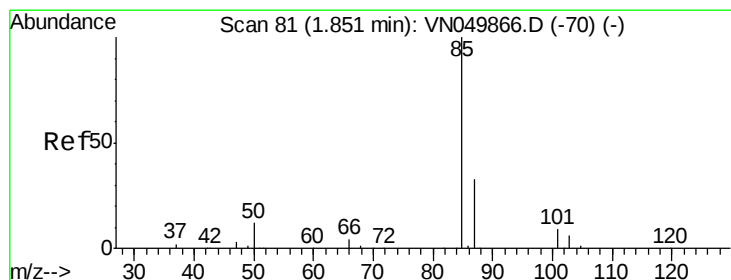
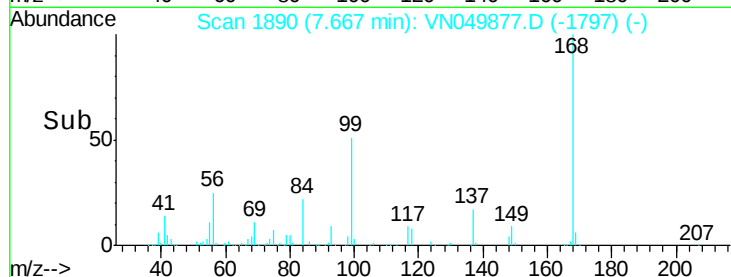
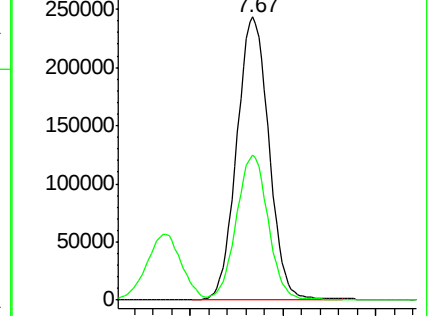
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.04 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049877.D

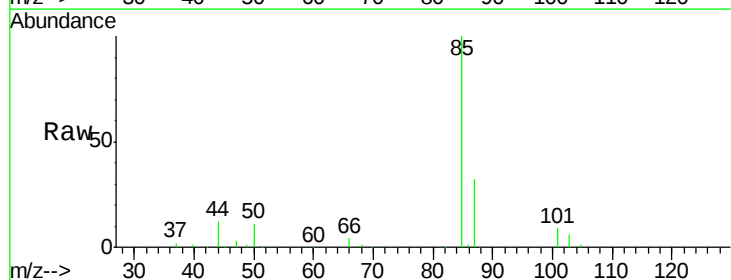
Acq: 18 Jul 2018 17:11

Tgt Ion: 85 Resp: 111848

Ion Ratio Lower Upper

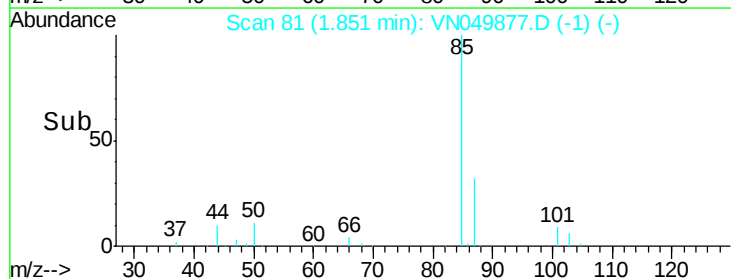
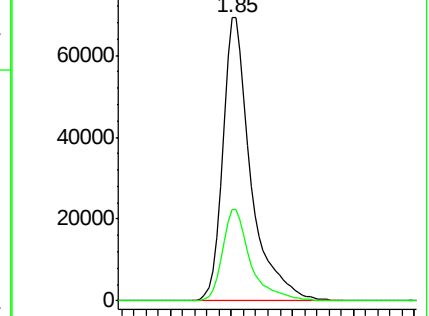
85 100

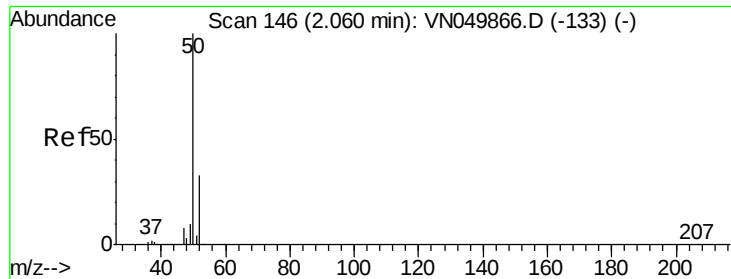
87 32.5 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.75 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049877.D

Acq: 18 Jul 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD01

Tot Ion: 50 Resp: 150171

Ion Ratio Lower Upper

50 100

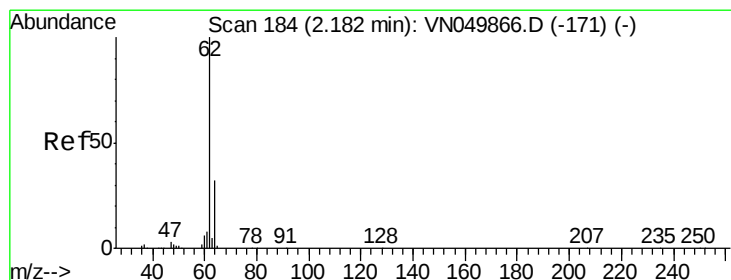
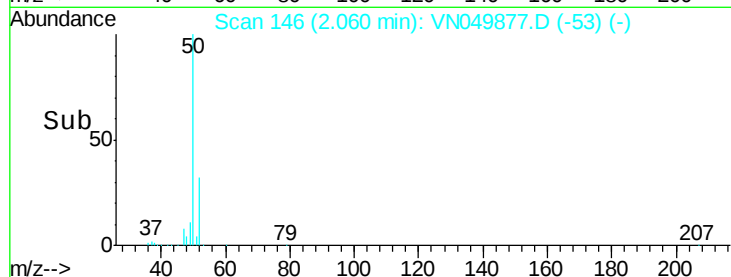
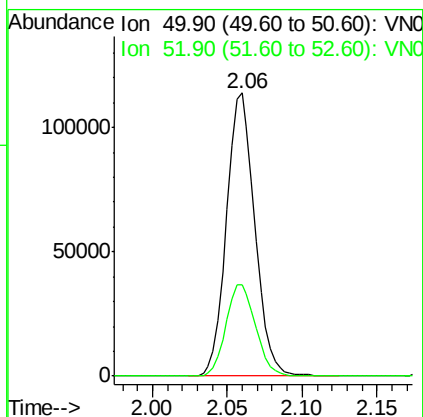
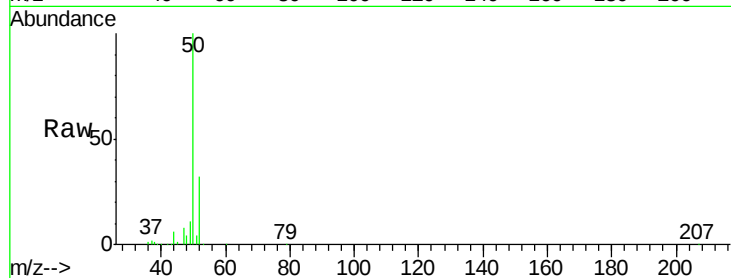
52 32.4 26.1 39.1

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#4

Vinyl Chloride

Concen: 19.22 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049877.D

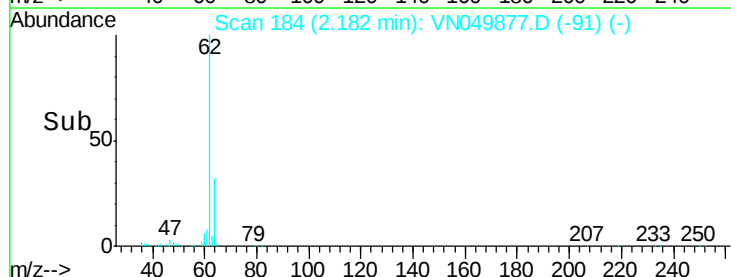
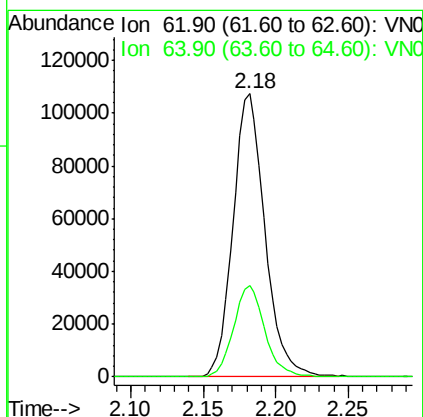
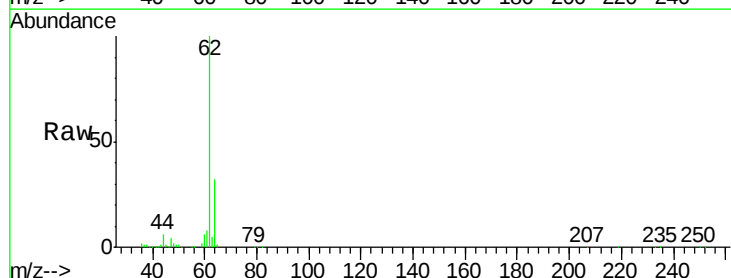
Acq: 18 Jul 2018 17:11

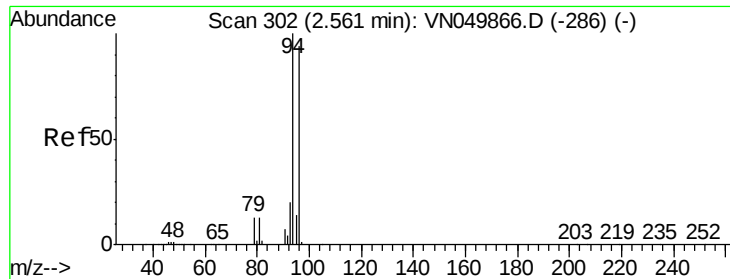
Tgt Ion: 62 Resp: 164198

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.0





#5

Bromomethane

Concen: 20.88 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049877.D

Acq: 18 Jul 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD01

Tot Ion: 94 Resp: 105044

Ion Ratio Lower Upper

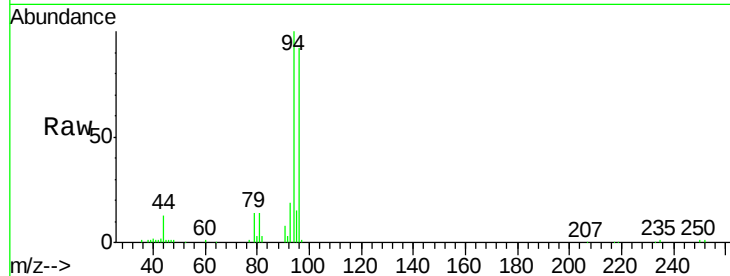
94 100

96 92.1 75.7 113.5

Manual Integrations
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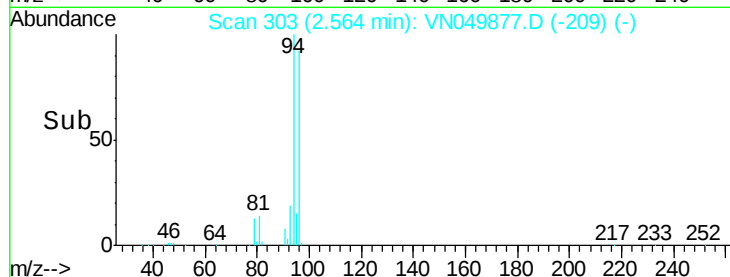


Abundance Ion 93.90 (93.60 to 94.60): VN049866.D (-286) (-)

Ion 95.90 (95.60 to 96.60): VN049866.D (-286) (-)

2.56

Time-->

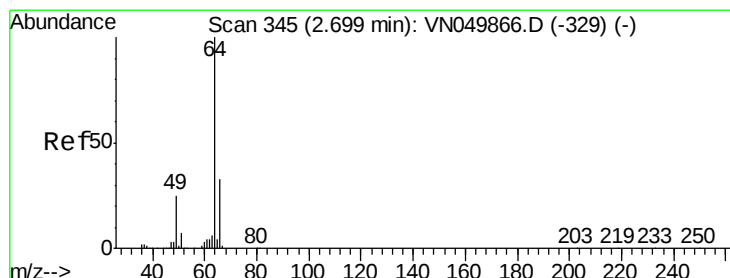


Abundance Ion 93.90 (93.60 to 94.60): VN049866.D (-286) (-)

Ion 95.90 (95.60 to 96.60): VN049866.D (-286) (-)

2.56

Time-->



#6

Chloroethane

Concen: 18.99 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN049877.D

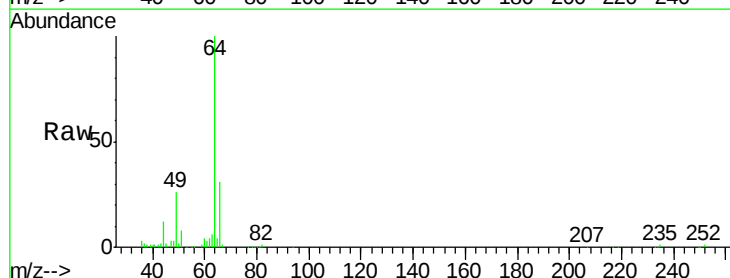
Acq: 18 Jul 2018 17:11

Tgt Ion: 64 Resp: 105932

Ion Ratio Lower Upper

64 100

66 31.2 25.6 38.4

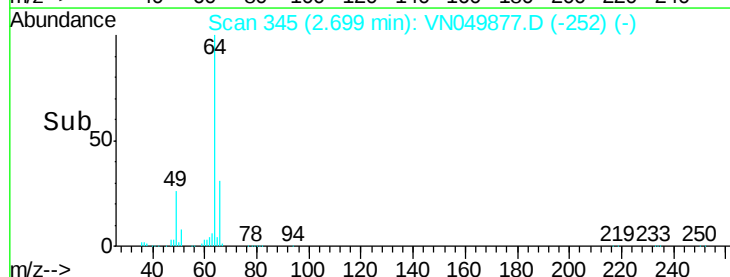


Abundance Ion 63.90 (63.60 to 64.60): VN049866.D (-329) (-)

Ion 65.90 (65.60 to 66.60): VN049866.D (-329) (-)

2.70

Time-->

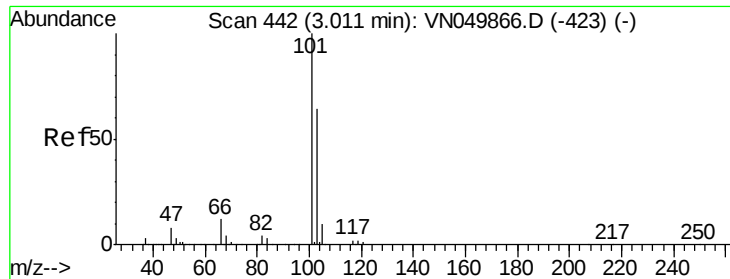


Abundance Ion 63.90 (63.60 to 64.60): VN049866.D (-329) (-)

Ion 65.90 (65.60 to 66.60): VN049866.D (-329) (-)

2.70

Time-->



#7

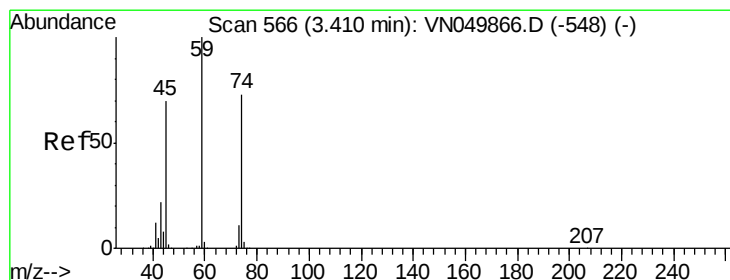
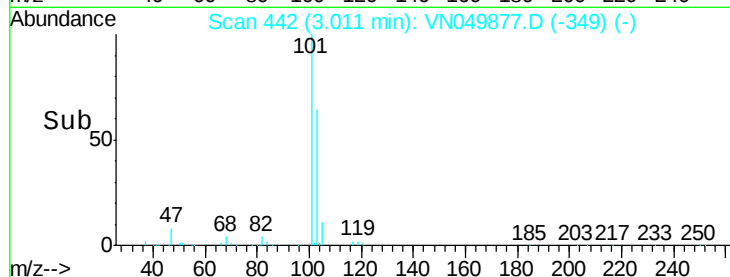
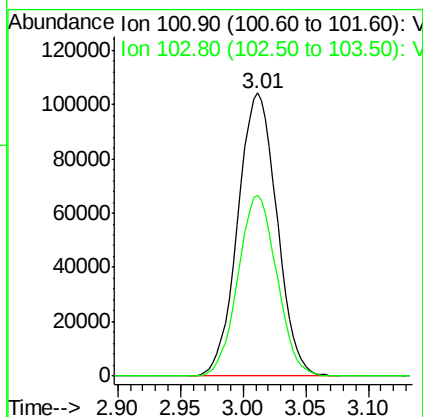
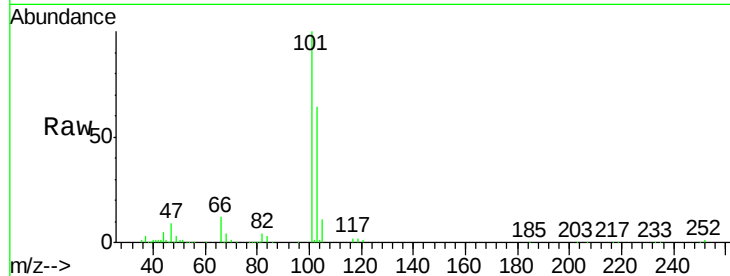
Trichlorofluoromethane
Concen: 19.25 ug/l
RT: 3.01 min Scan# 442
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Instrument :
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ClientSampleId :
VN0718WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.8	79.2

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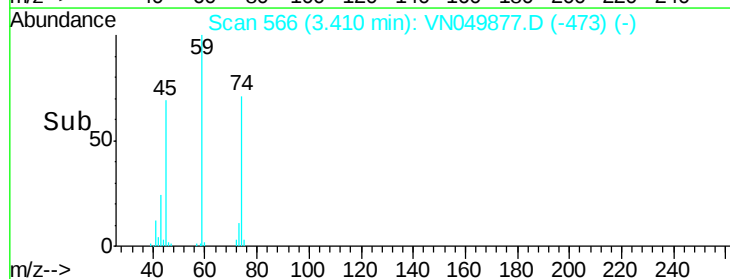
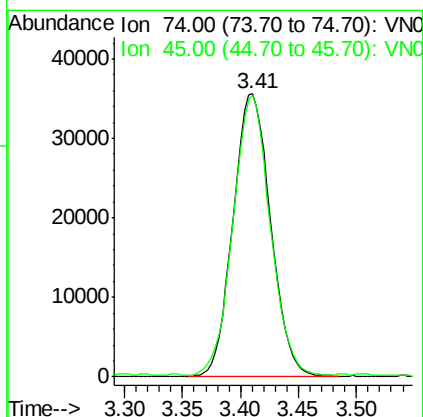
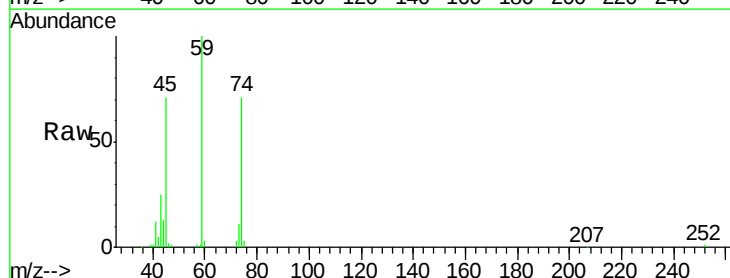
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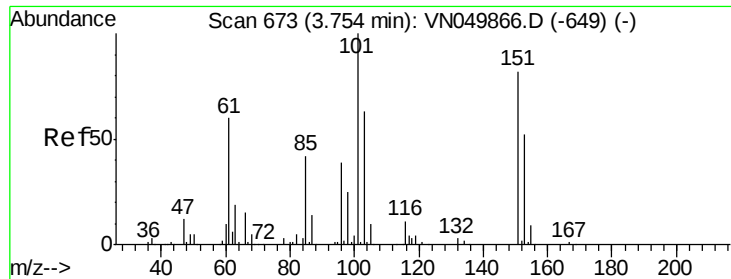


#8

Diethyl Ether
Concen: 19.66 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.86 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049877.D

Acq: 18 Jul 2018 17:11

Instrument :

MSVOA_N

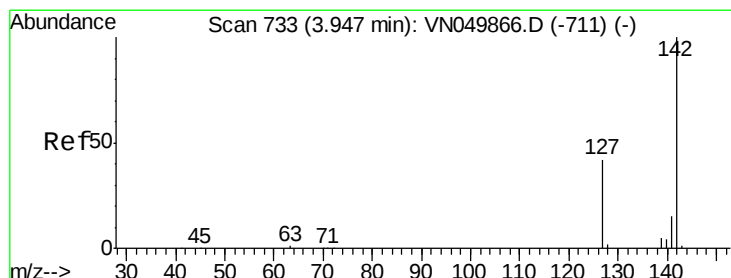
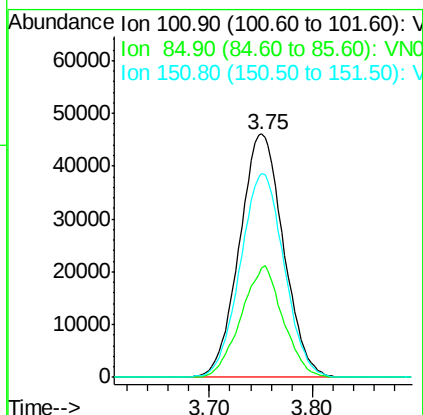
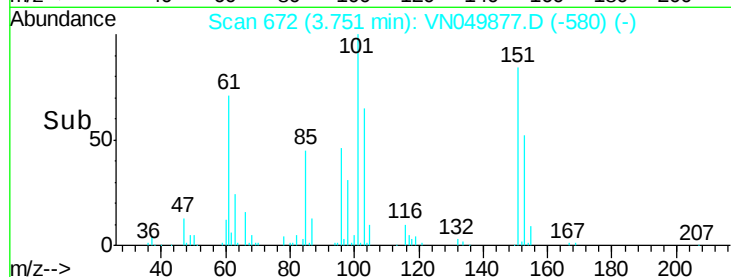
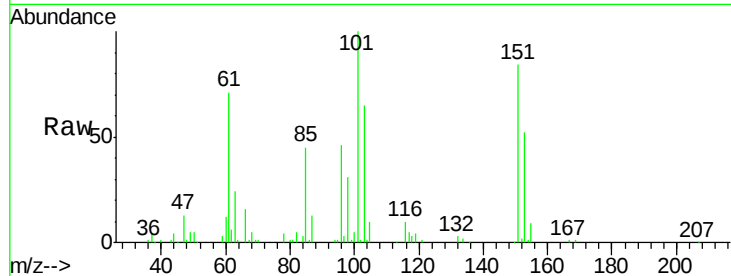
ClientSampleId :

VN0718WBSD01

Tot Ion:	101	Resp:	136525
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.4	51.6
151	83.6	66.2	99.4

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#10

Methyl Iodide

Concen: 18.11 ug/l

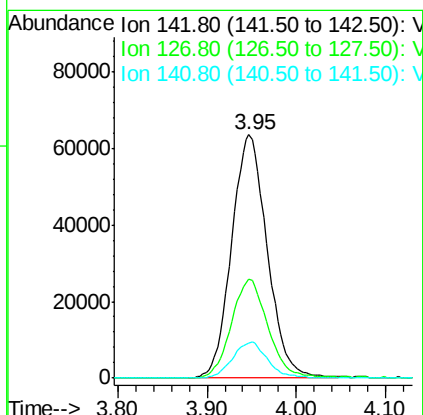
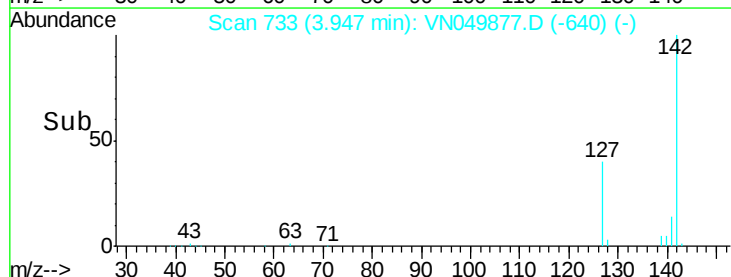
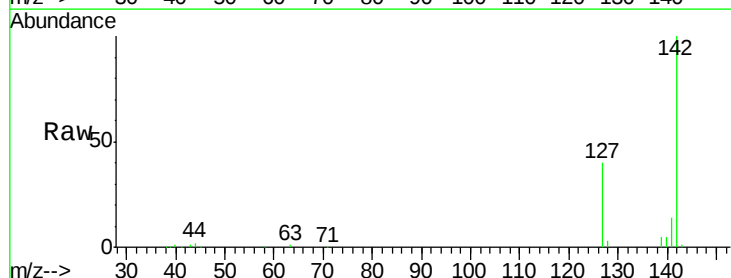
RT: 3.95 min Scan# 733

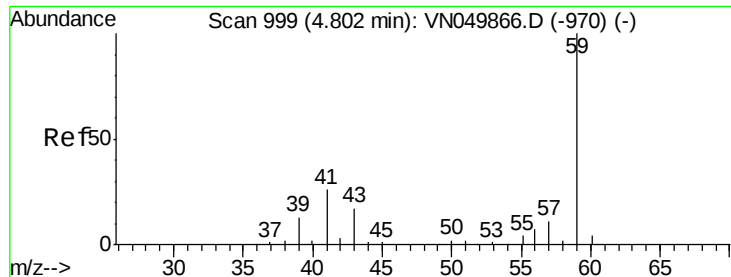
Delta R.T. 0.00 min

Lab File: VN049877.D

Acq: 18 Jul 2018 17:11

Tgt Ion:	142	Resp:	175957
Ion Ratio	Lower	Upper	
142	100		
127	41.9	32.5	48.7
141	14.4	11.1	16.7





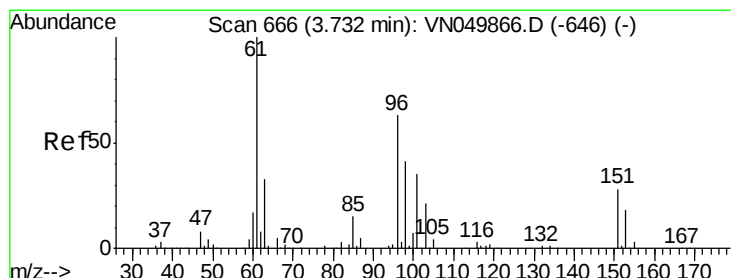
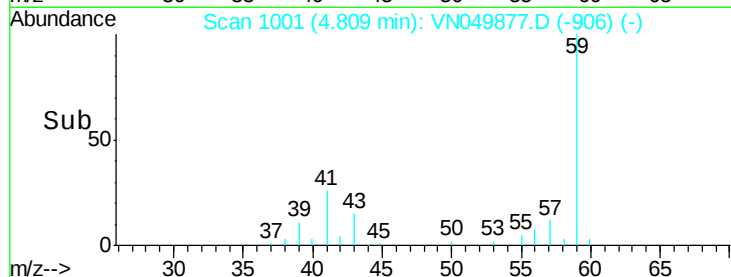
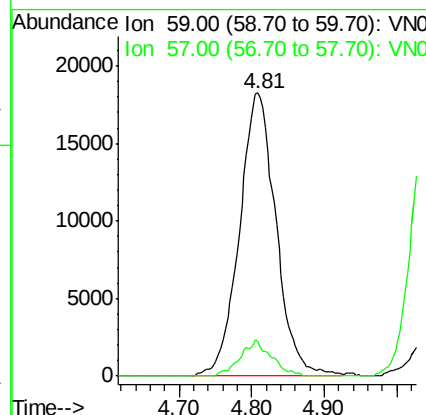
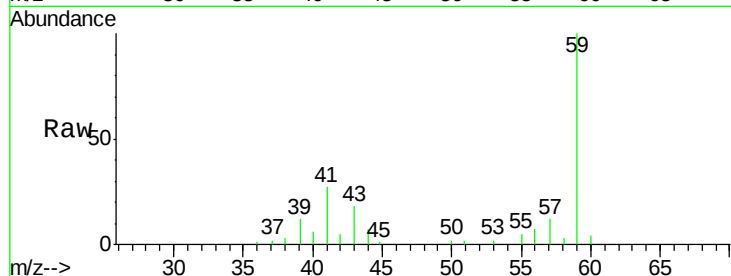
#11
Tert butyl alcohol
Concen: 111.44 ug/l
RT: 4.81 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD01

Tot Ion: 59 Resp: 64026
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7

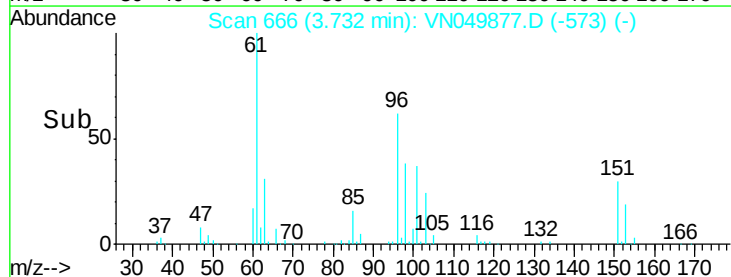
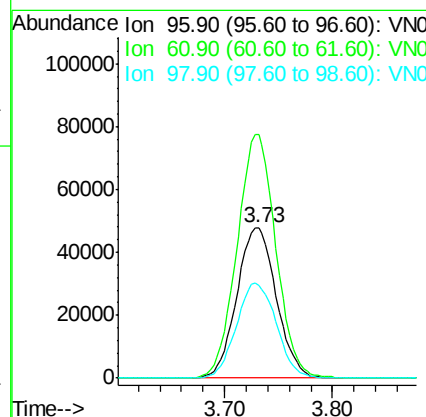
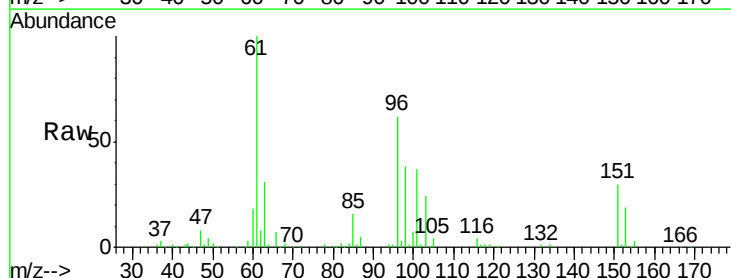
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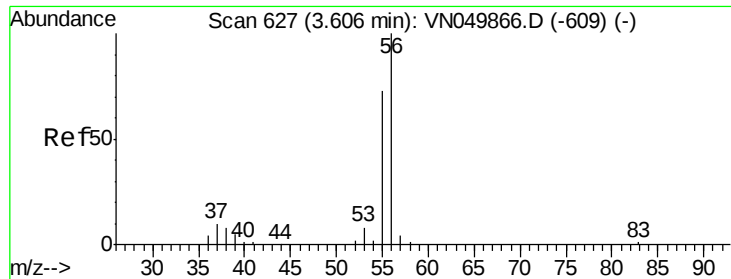
apatel
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#12
1,1-Dichloroethene
Concen: 19.15 ug/l
RT: 3.73 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Tgt Ion: 96 Resp: 121838
Ion Ratio Lower Upper
96 100
61 161.2 126.5 189.7
98 61.8 51.0 76.6





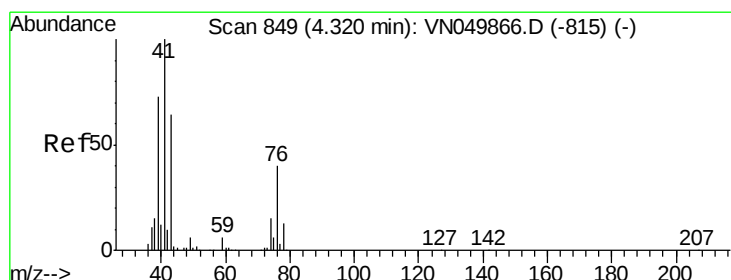
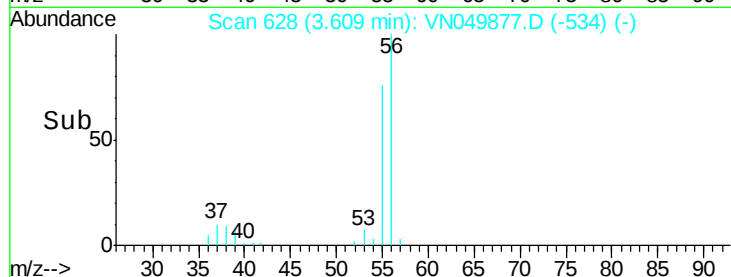
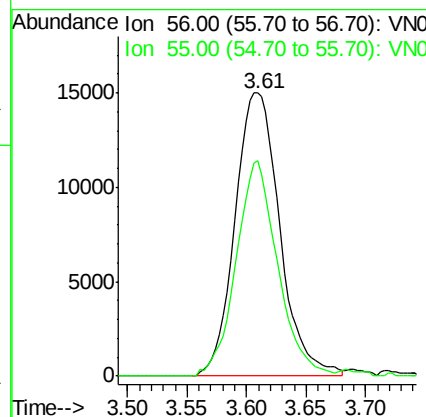
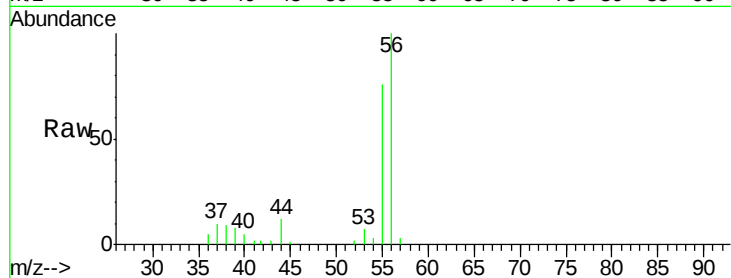
#13
Acrolein
Concen: 105.67 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.3	55.8	83.8

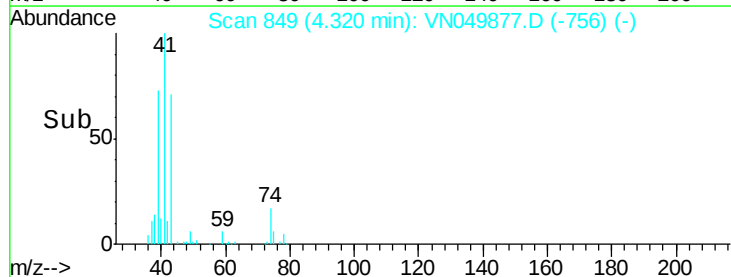
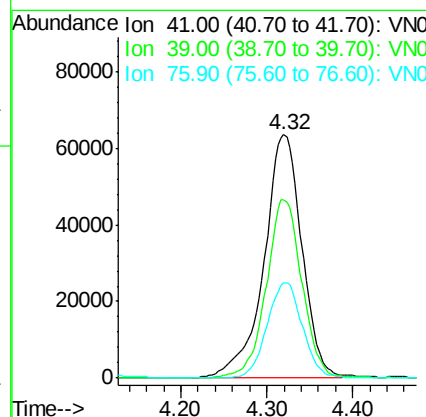
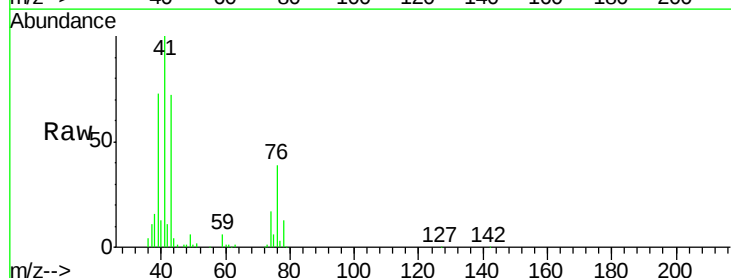
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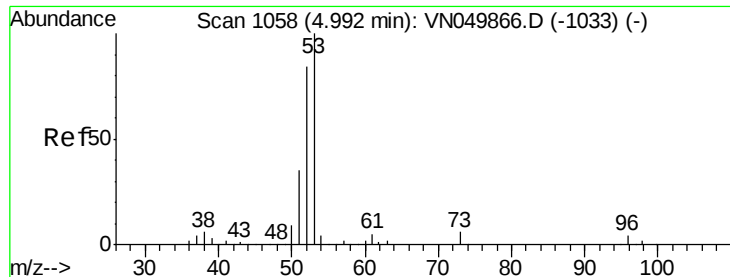
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#14
Allyl chloride
Concen: 19.48 ug/l
RT: 4.32 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
41	100		
39	69.1	53.2	79.8
76	36.6	29.0	43.6





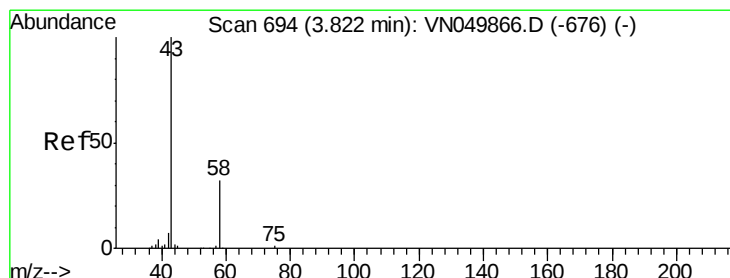
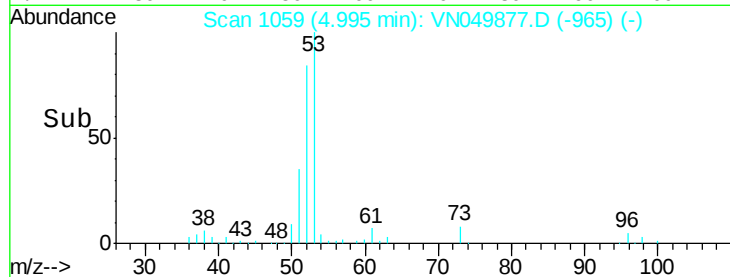
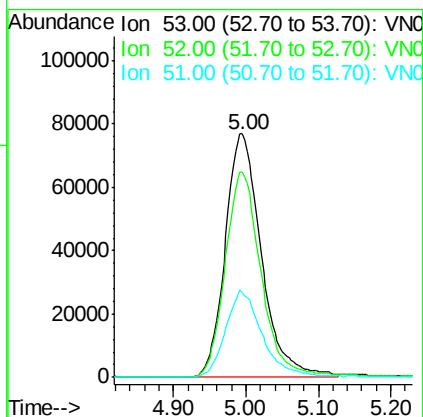
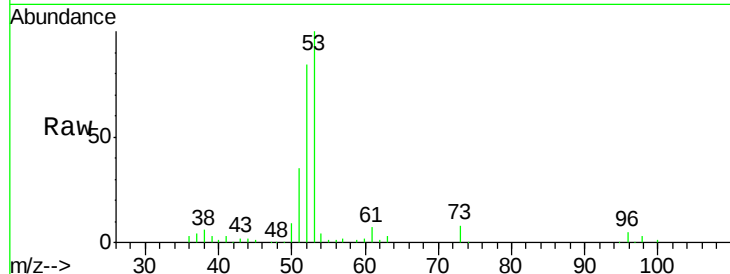
#15
 Acrylonitrile
 Concen: 105.65 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0718WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.8	64.8	97.2
51	36.3	28.9	43.3

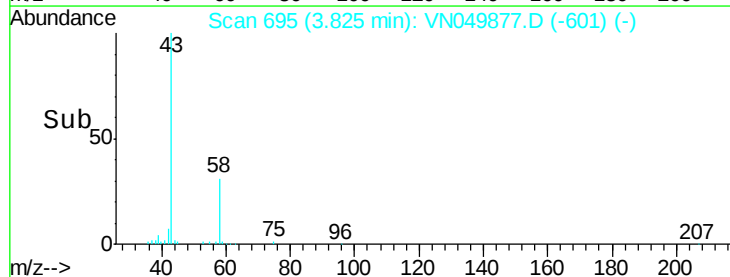
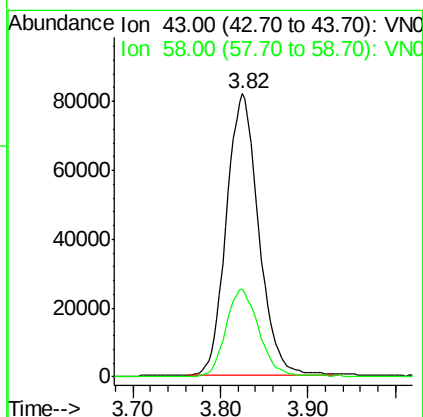
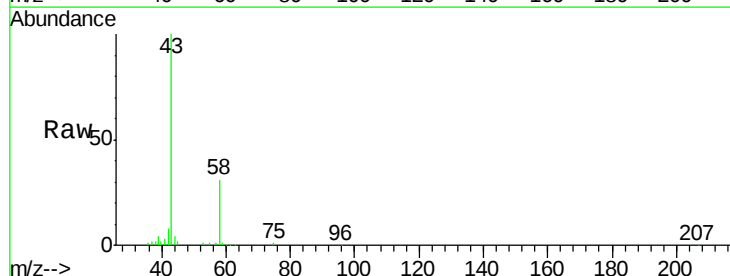
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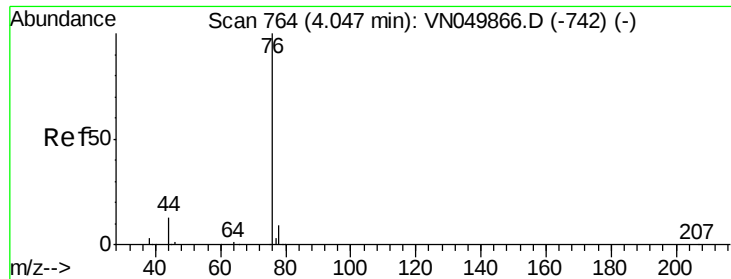
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#16
 Acetone
 Concen: 99.97 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.9	38.9





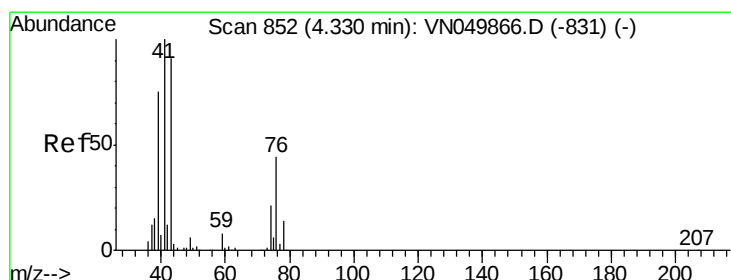
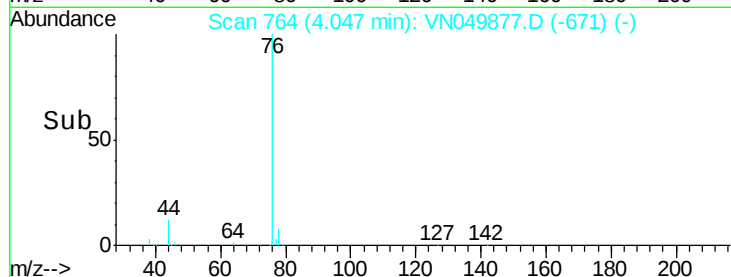
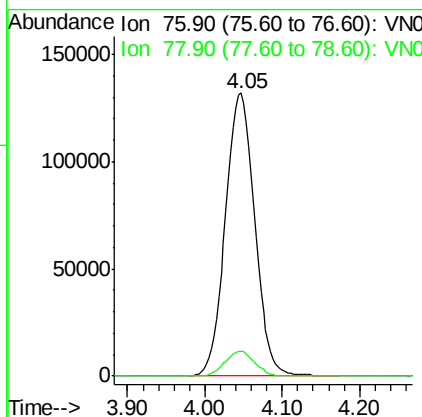
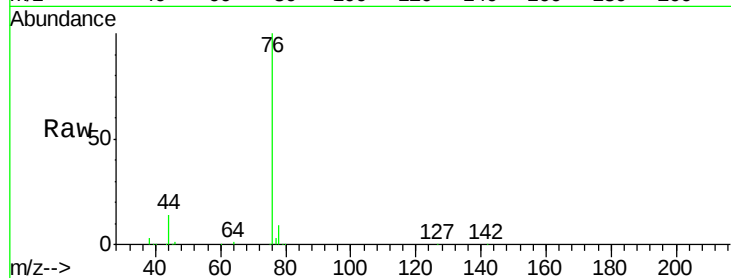
#17
Carbon Disulfide
Concen: 18.25 ug/l
RT: 4.05 min Scan# 764
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

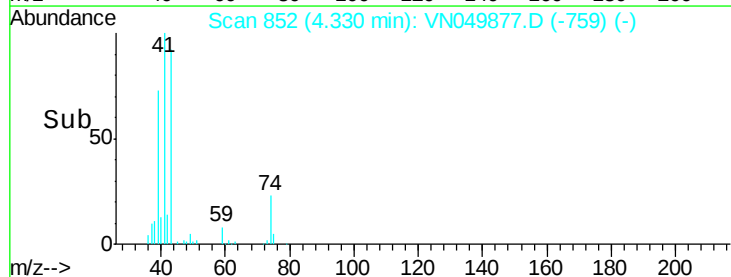
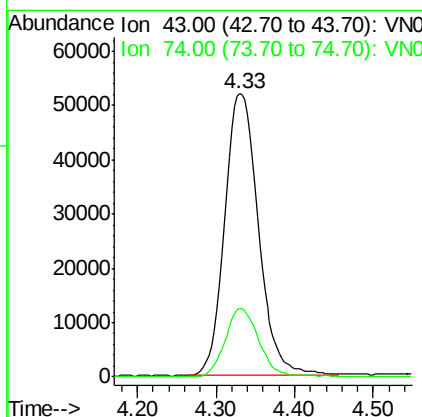
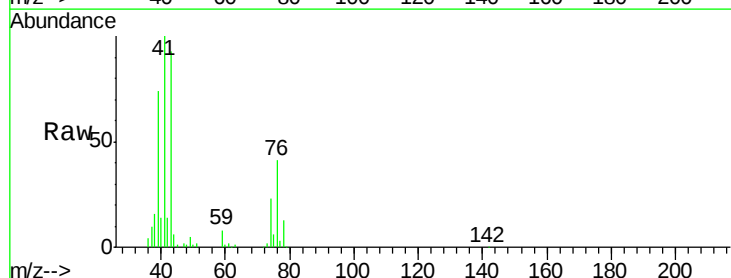
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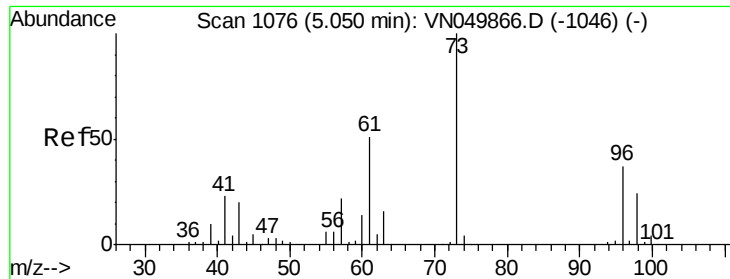
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#18
Methyl Acetate
Concen: 22.99 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.8	29.8





#19

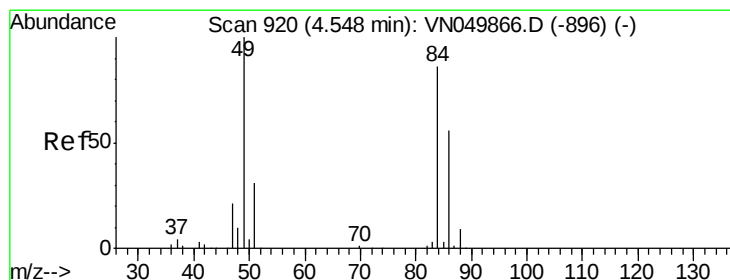
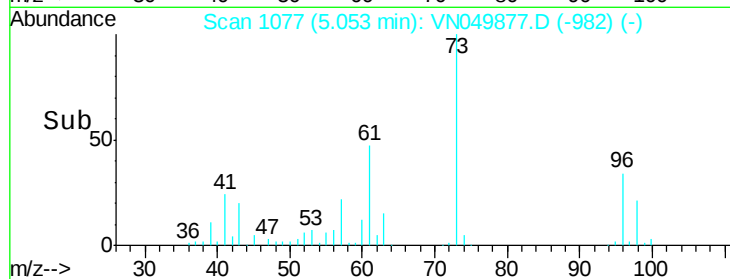
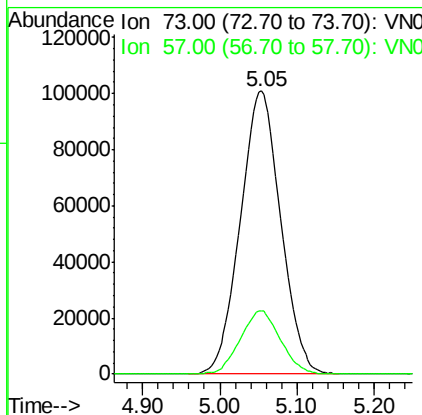
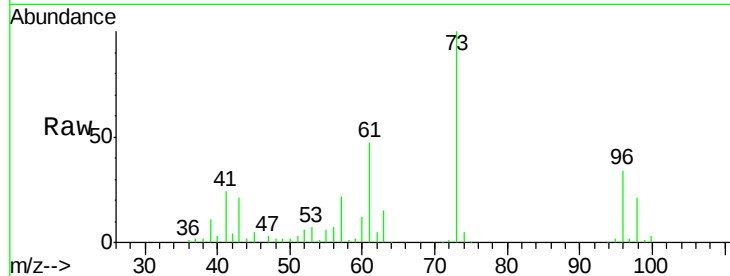
Methyl tert-butyl Ether
 Concen: 20.97 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.1	27.1

Manual Integrations
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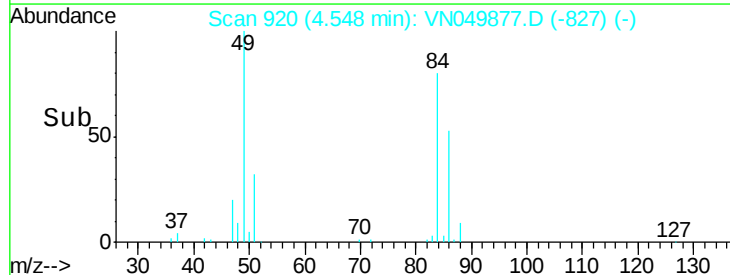
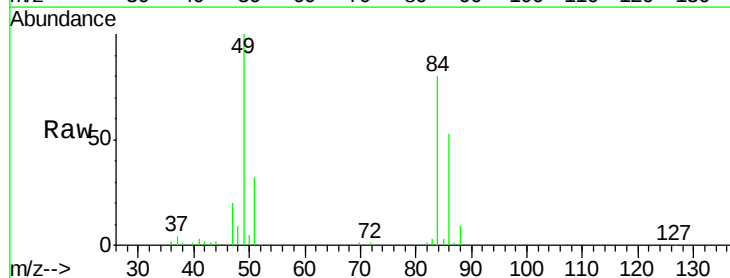
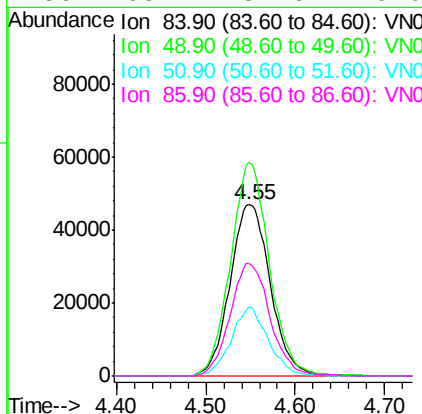
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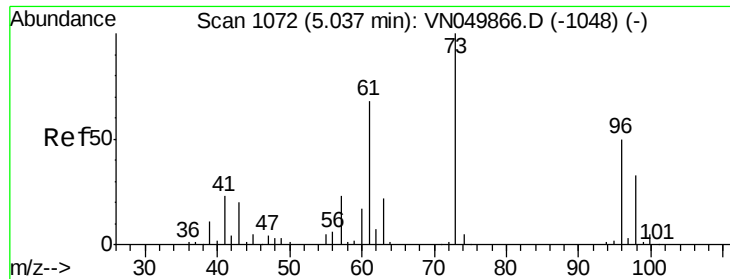


#20

Methylene Chloride
 Concen: 18.52 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.6	95.4	143.2
51	40.1	28.4	42.6
86	65.7	52.6	79.0





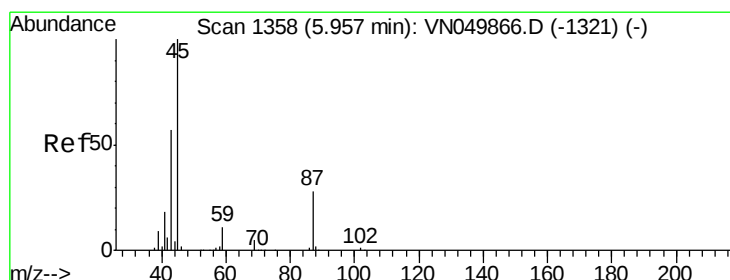
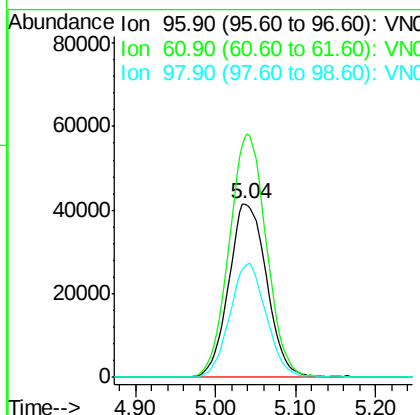
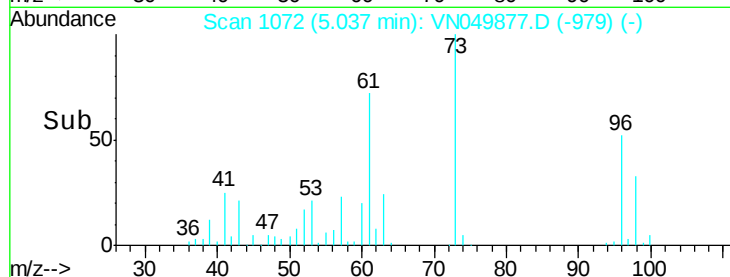
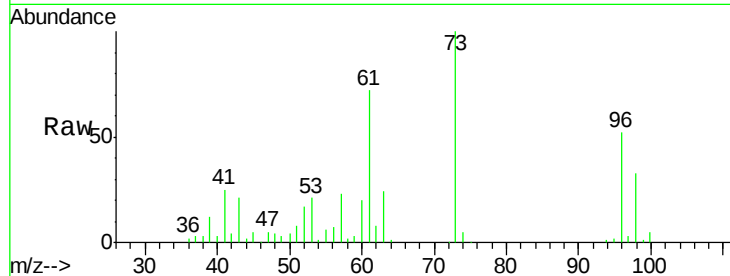
#21
trans-1,2-Dichloroethene
Concen: 19.83 ug/l
RT: 5.04 min Scan# 1072
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.6	109.0	163.6
98	63.8	51.1	76.7

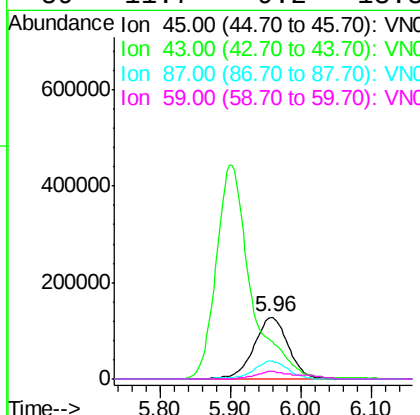
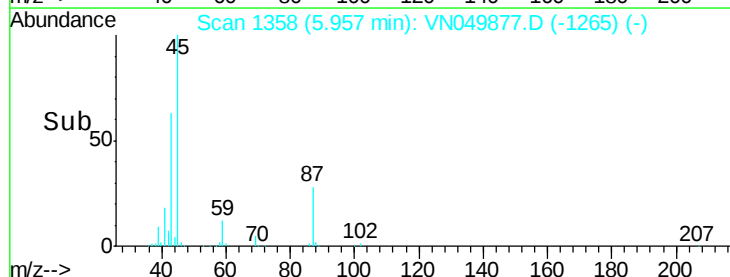
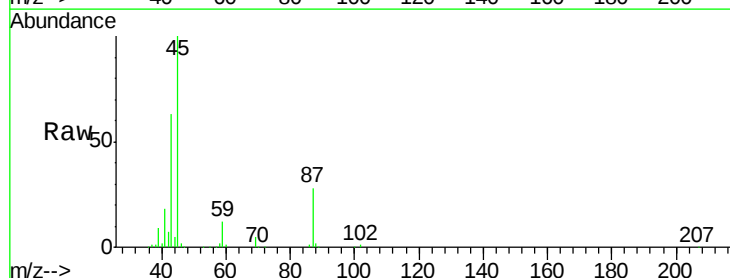
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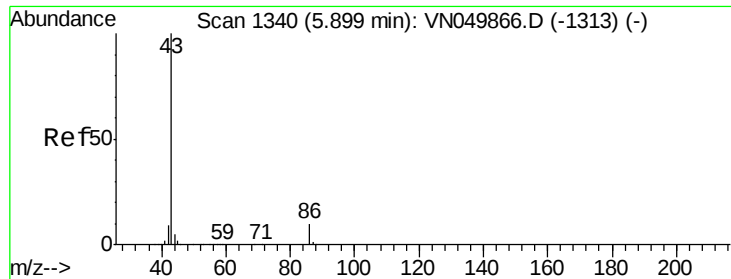
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#22
Diisopropyl ether
Concen: 21.26 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.1	48.1	72.1
87	28.2	22.6	34.0
59	11.7	9.2	13.8





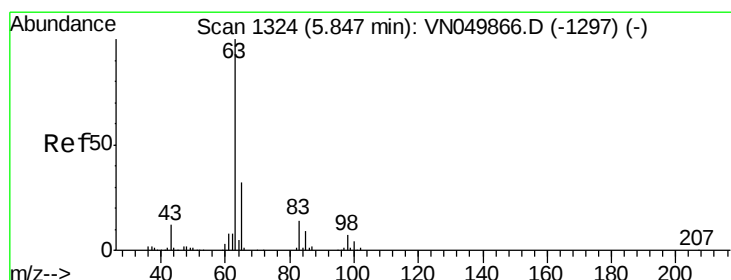
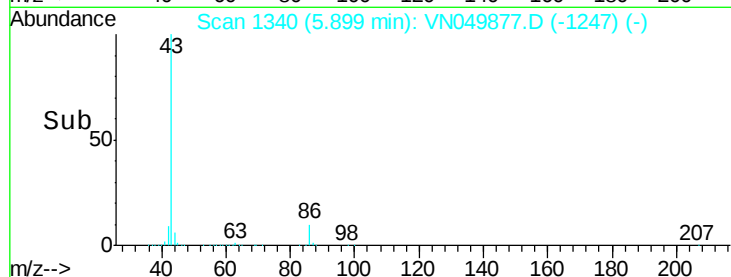
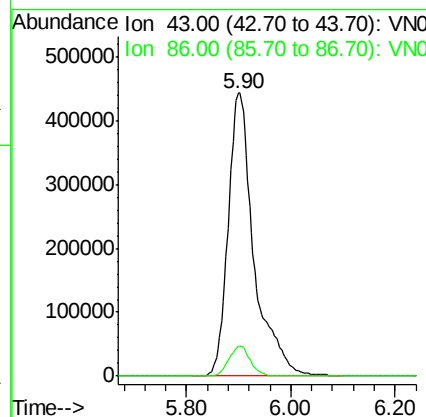
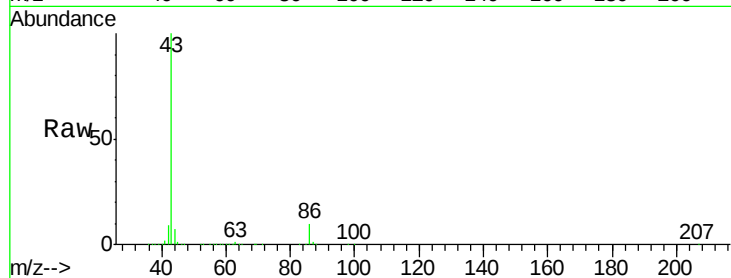
#23
 Vinyl Acetate
 Concen: 106.21 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD01

Tot Ion: 43 Resp: 1524908
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.4 12.6

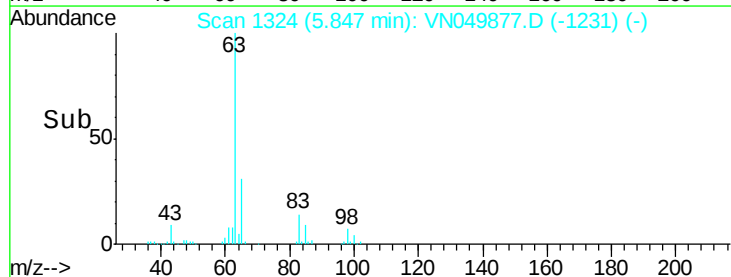
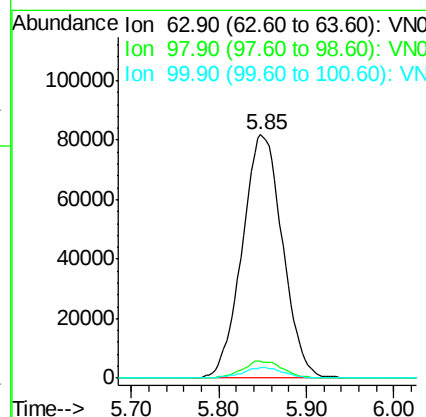
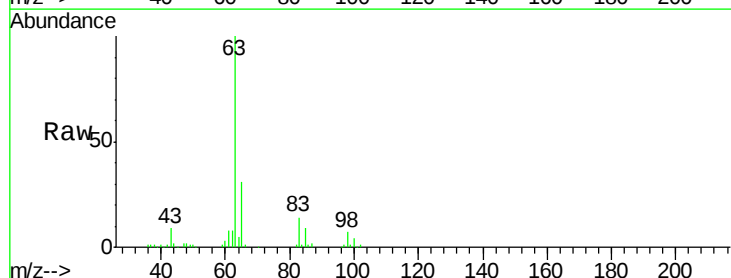
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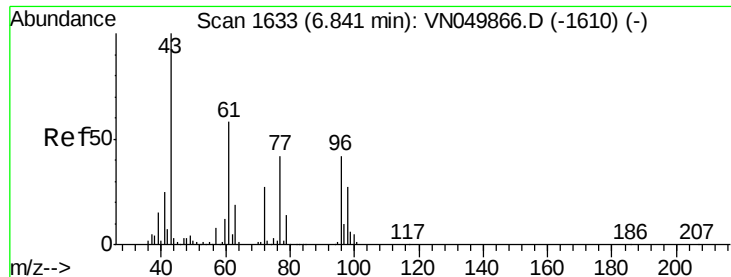
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#24
 1,1-Dichloroethane
 Concen: 19.91 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Tgt Ion: 63 Resp: 261574
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.2
 100 4.4 2.2 6.6





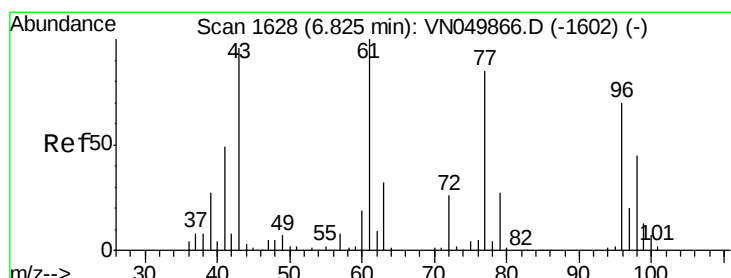
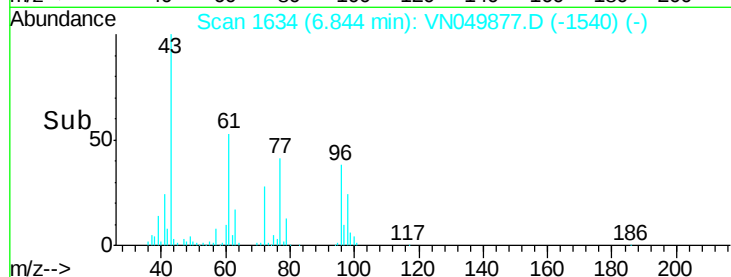
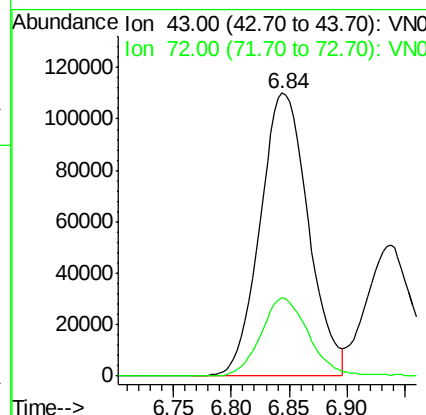
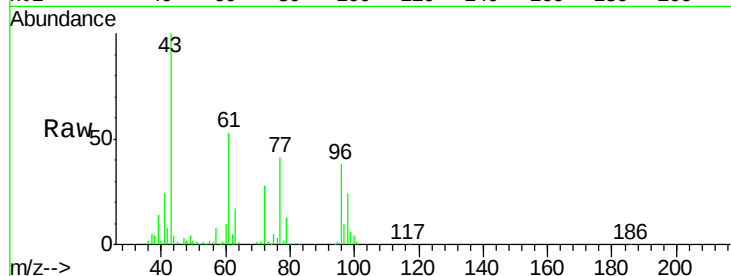
#25
2-Butanone
Concen: 106.27 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD01

Tot Ion: 43 Resp: 317116
Ion Ratio Lower Upper
43 100
72 27.7 22.1 33.1

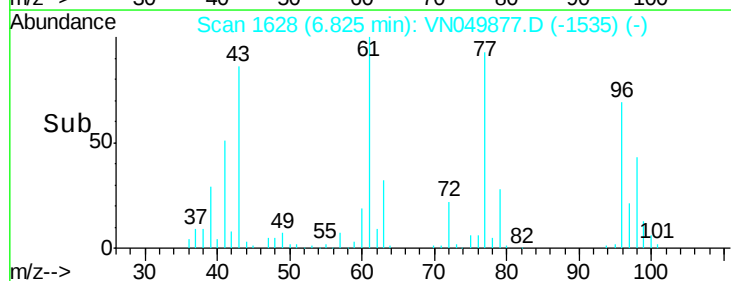
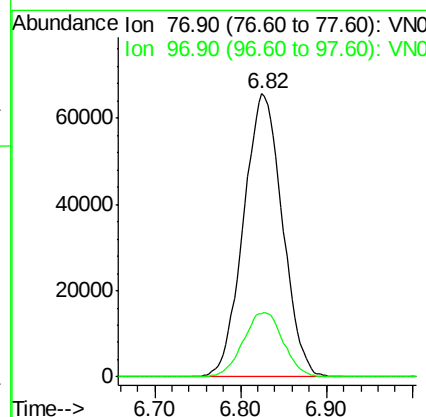
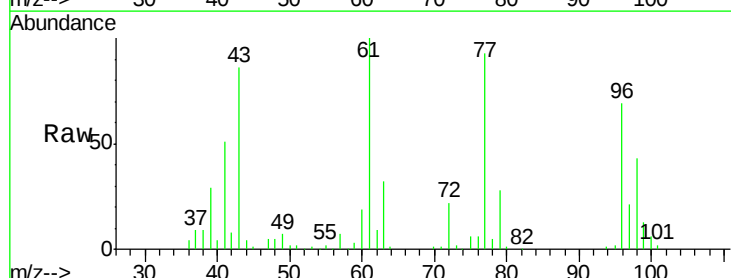
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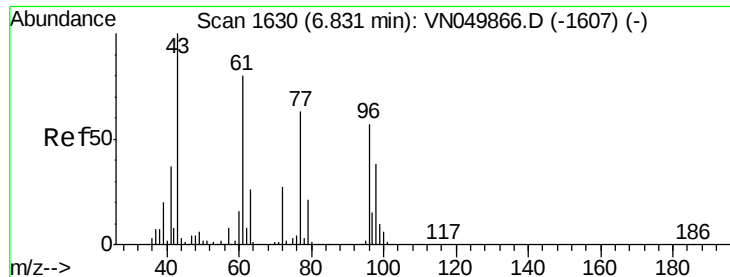
apatel
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#26
2,2-Dichloropropane
Concen: 20.18 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Tgt Ion: 77 Resp: 206285
Ion Ratio Lower Upper
77 100
97 23.4 11.9 35.5





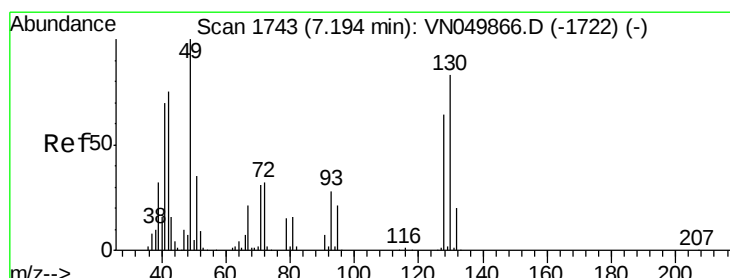
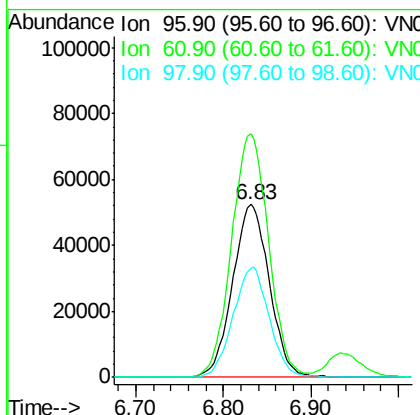
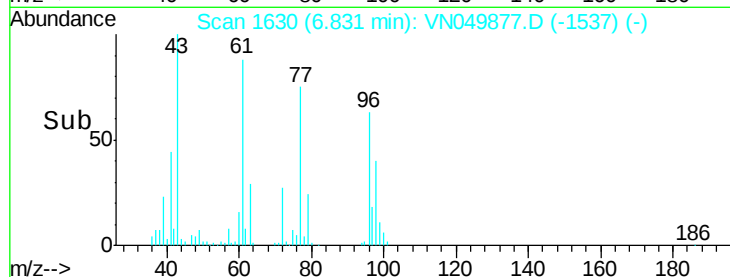
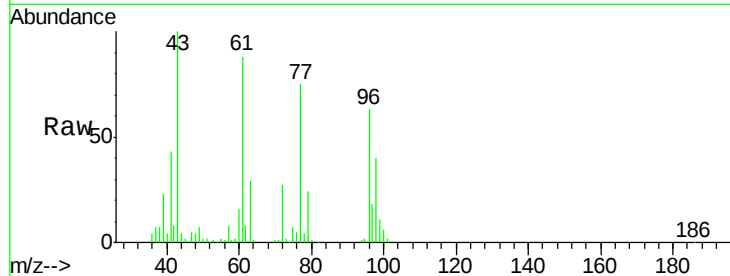
#27
 cis-1,2-Dichloroethene
 Concen: 20.59 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0718WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.1	0.0	289.0	
98	62.9	0.0	130.2	

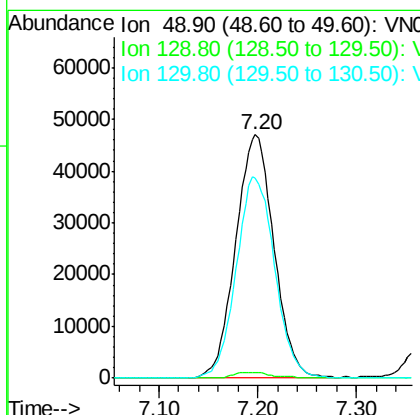
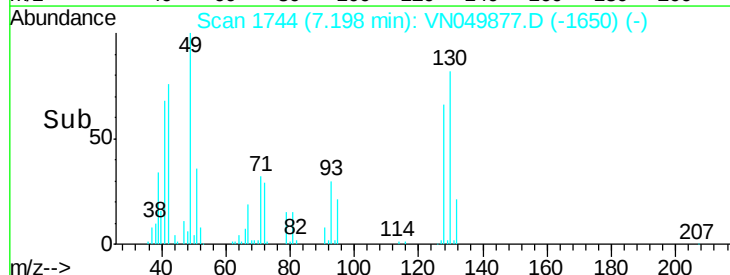
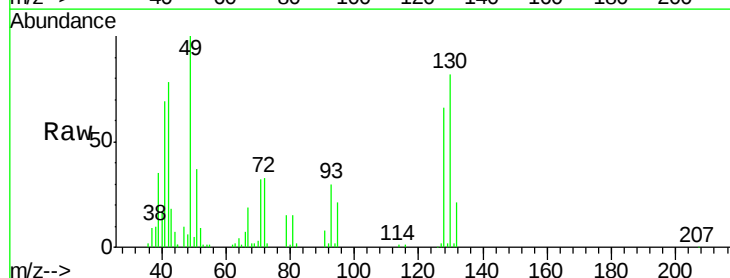
Manual Integrations
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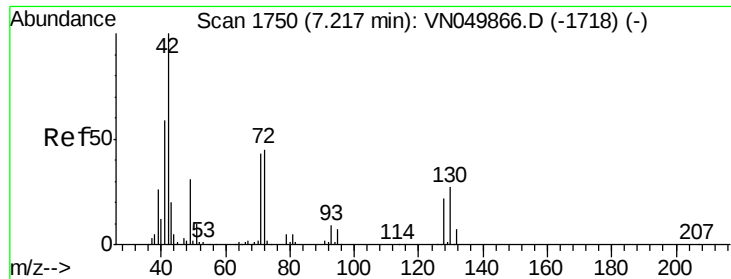
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#28
 Bromochloromethane
 Concen: 21.33 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.0	0.0	4.2	
130	82.8	65.5	98.3	





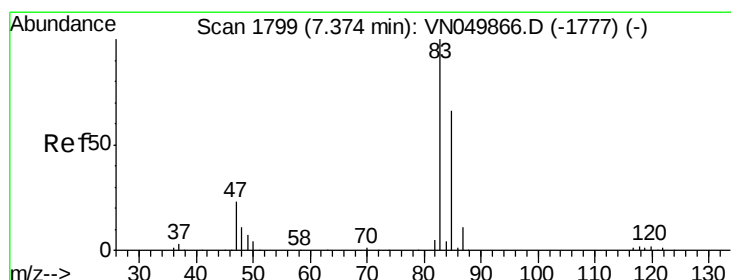
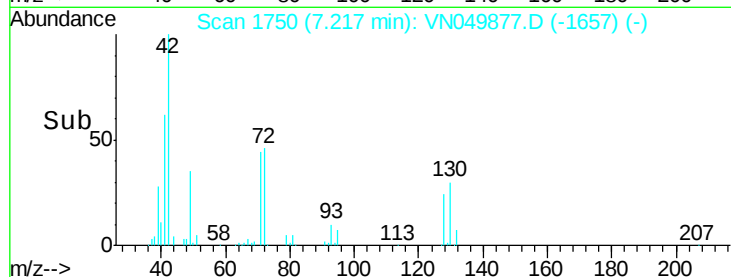
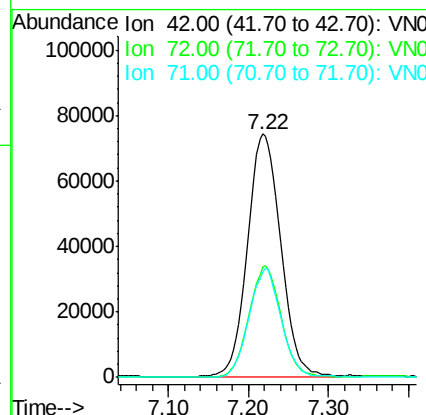
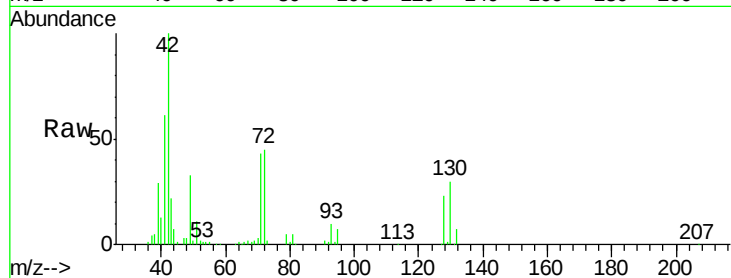
#29
Tetrahydrofuran
Concen: 111.01 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Instrument :
MSVOA_N
ClientSampled :
VN0718WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.6	53.4
71	43.0	34.0	51.0

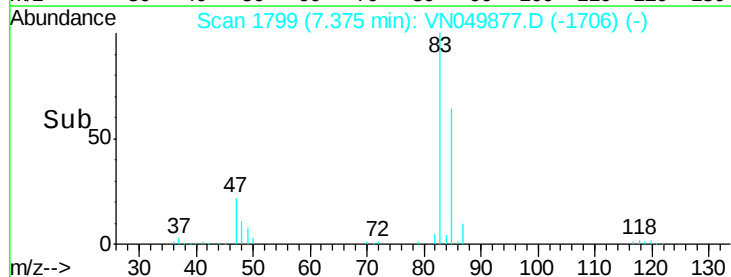
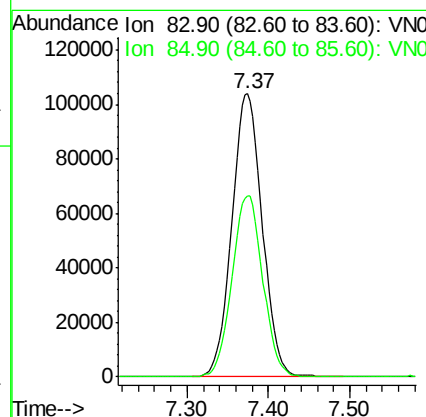
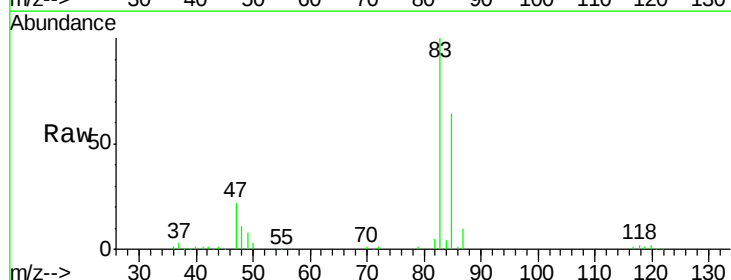
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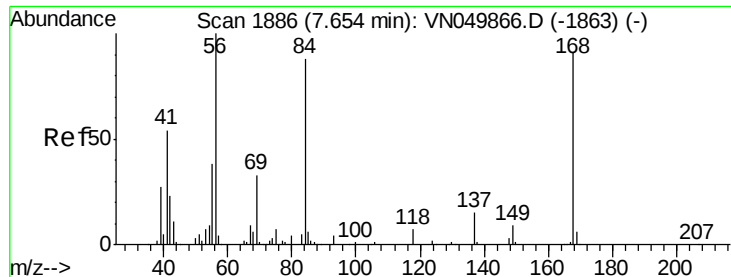
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#30
Chloroform
Concen: 20.03 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.4	77.2





#31

Cyclohexane

Concen: 19.69 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049877.D

Acq: 18 Jul 2018 17:11

Instrument :

MSVOA_N

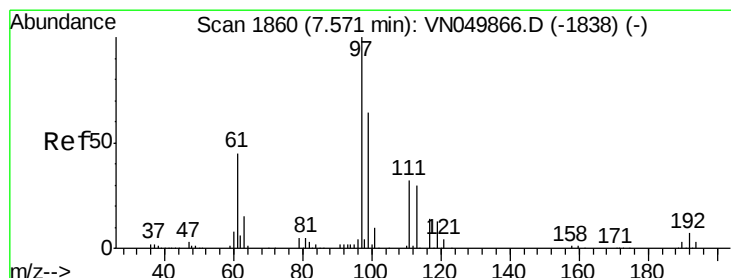
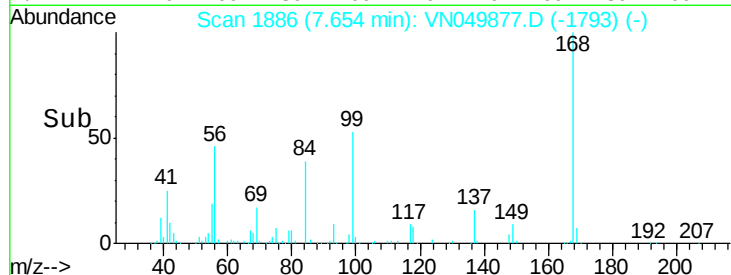
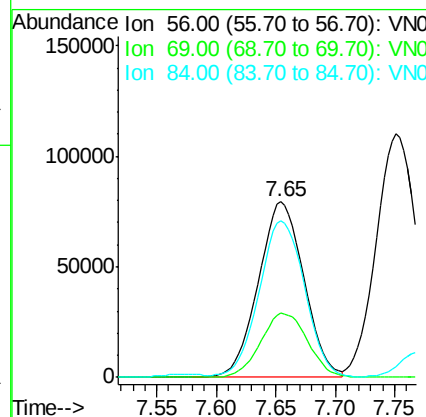
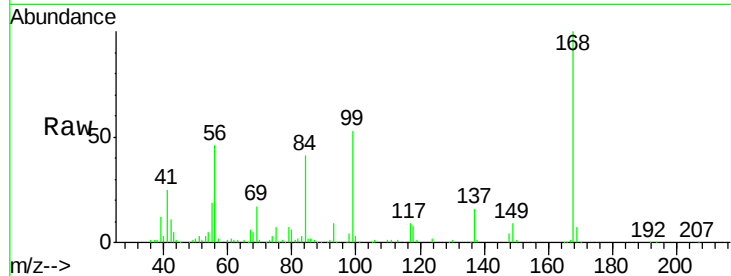
ClientSampled :

VN0718WBSD01

Tot Ion:	56	Resp:	210584
Ion Ratio	Lower	Upper	
56	100		
69	36.6	26.6	40.0
84	87.9	69.0	103.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.60 ug/l

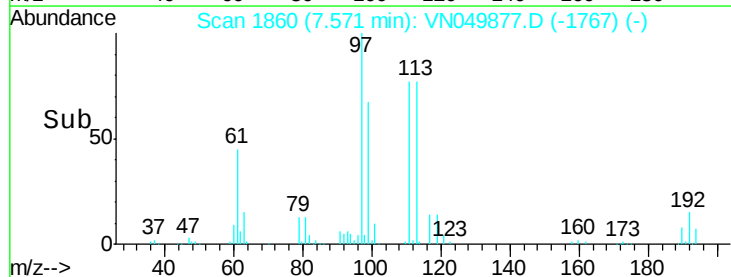
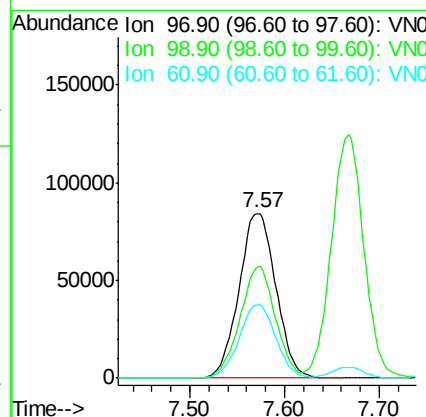
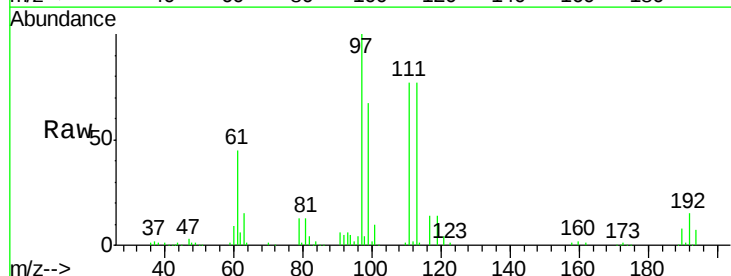
RT: 7.57 min Scan# 1860

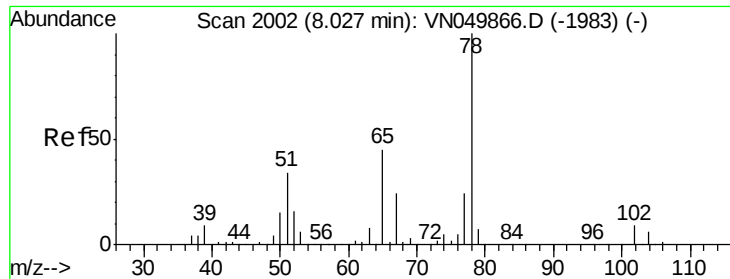
Delta R.T. 0.00 min

Lab File: VN049877.D

Acq: 18 Jul 2018 17:11

Tgt Ion:	97	Resp:	228498
Ion Ratio	Lower	Upper	
97	100		
99	65.2	51.0	76.4
61	44.3	35.5	53.3





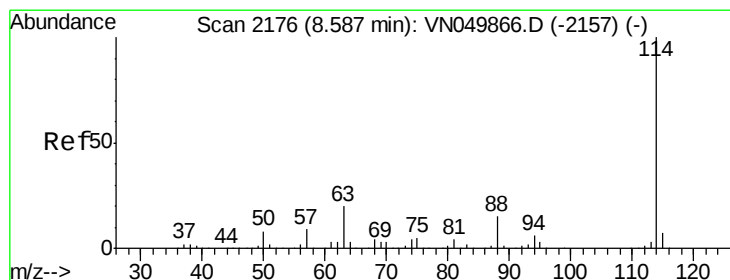
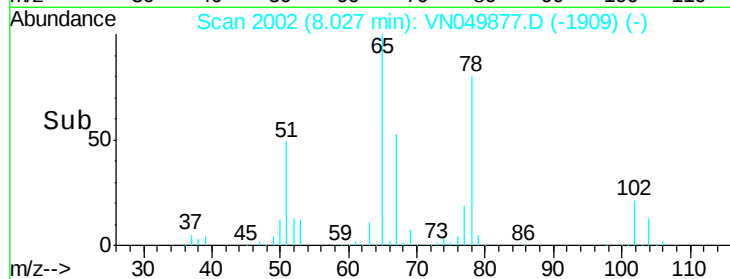
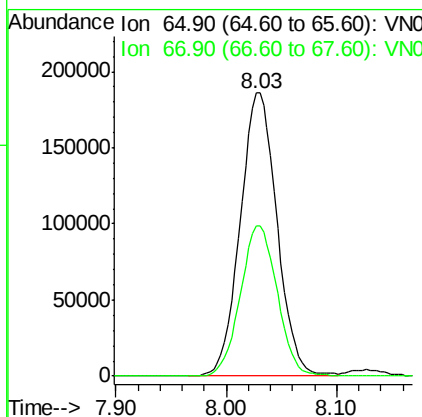
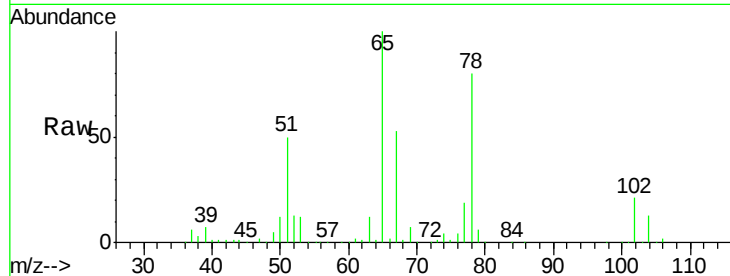
#33
 1,2-Dichloroethane-d4
 Concen: 53.33 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.2	0.0	107.2	

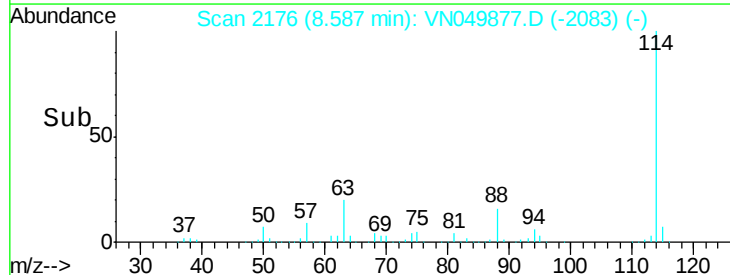
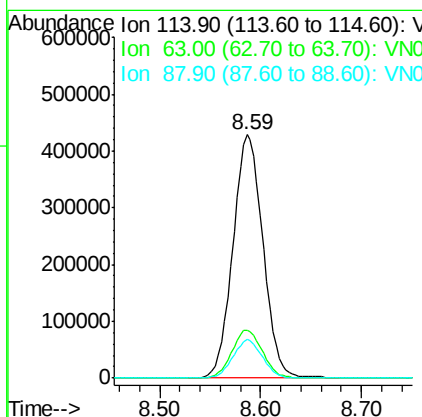
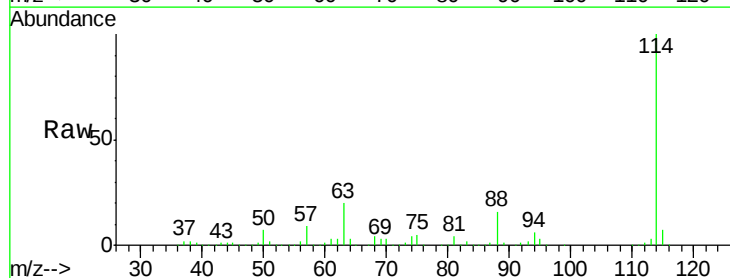
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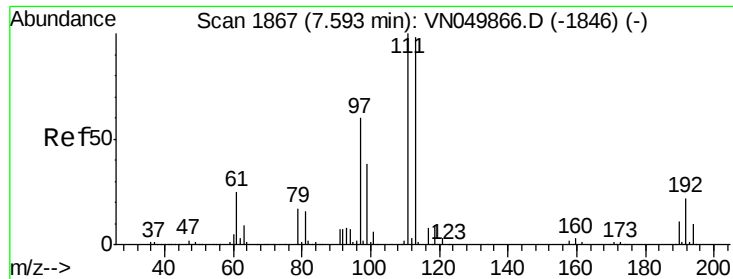
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	39.8	
88	15.7	0.0	30.6	





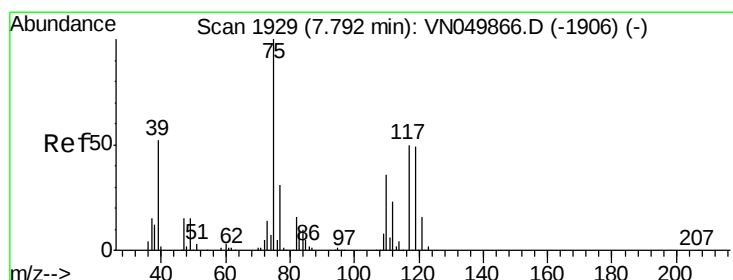
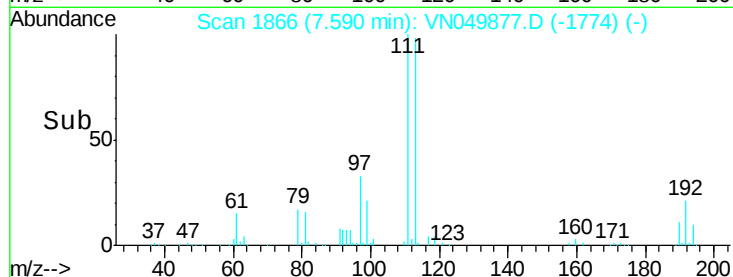
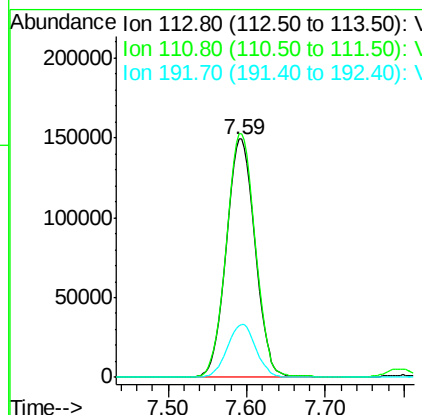
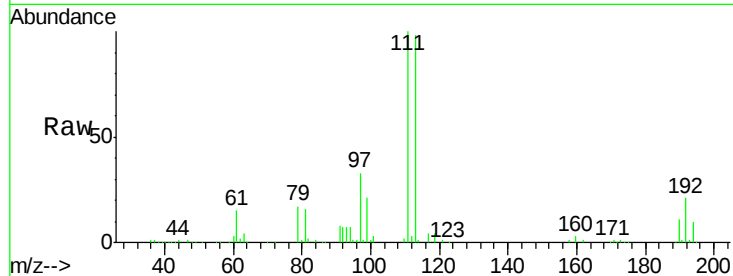
#35
 Dibromofluoromethane
 Concen: 50.83 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.4	81.8	122.8	
192	22.0	17.8	26.6	

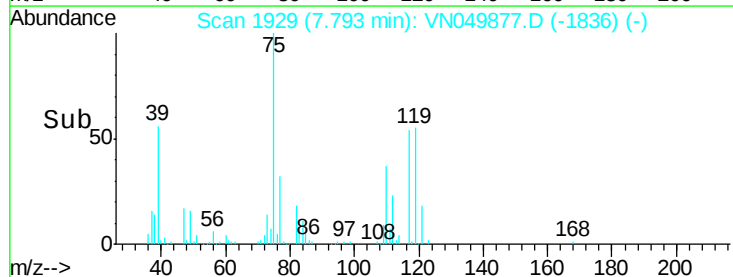
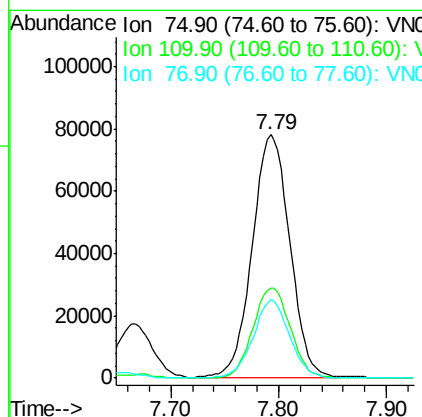
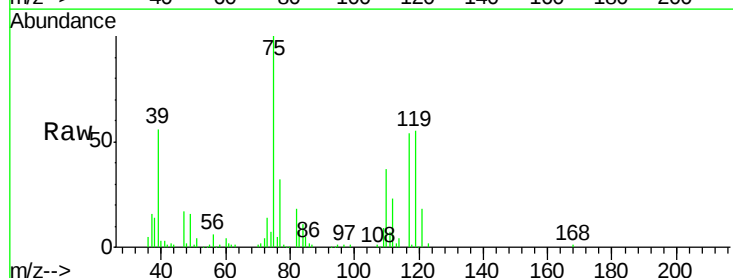
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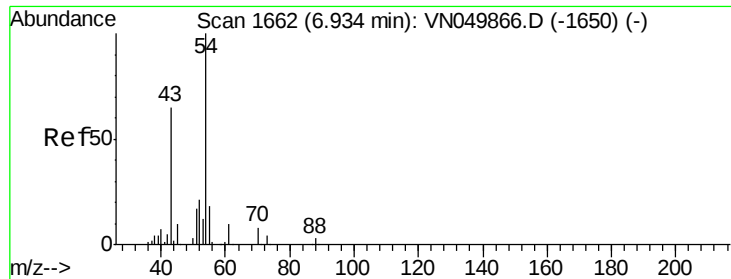
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#36
 1,1-Dichloropropene
 Concen: 19.10 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.1	18.1	54.4	
77	31.6	24.9	37.3	





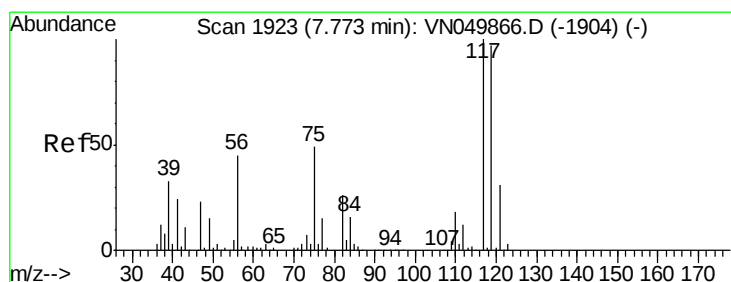
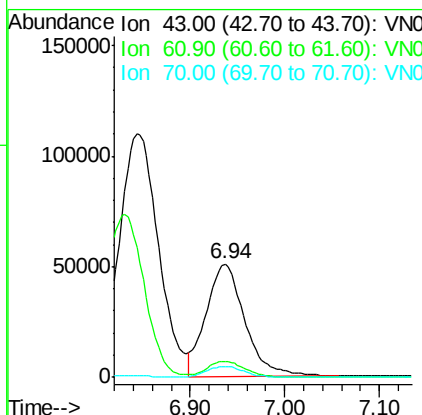
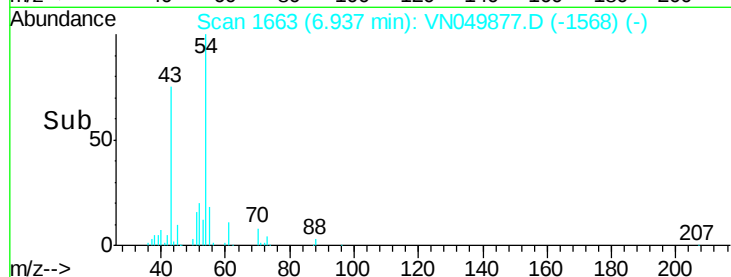
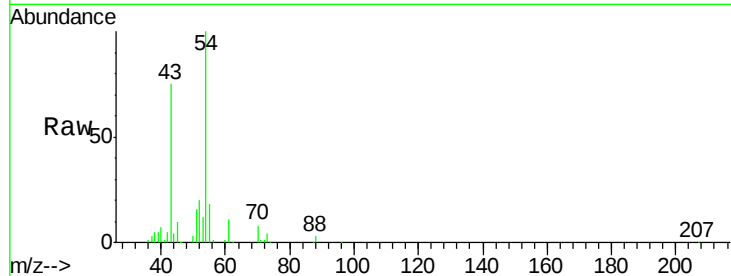
#37
Ethyl Acetate
Concen: 21.31 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Instrument :
MSVOA_N
ClientSampled :
VN0718WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.7	17.5
70	9.6	8.4	12.6

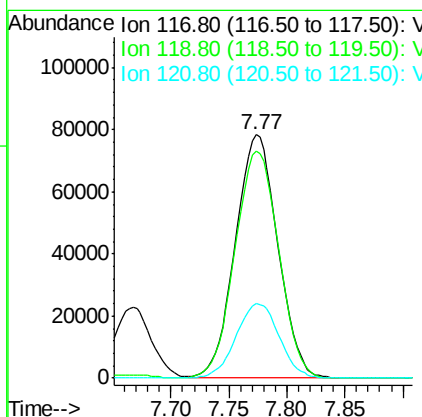
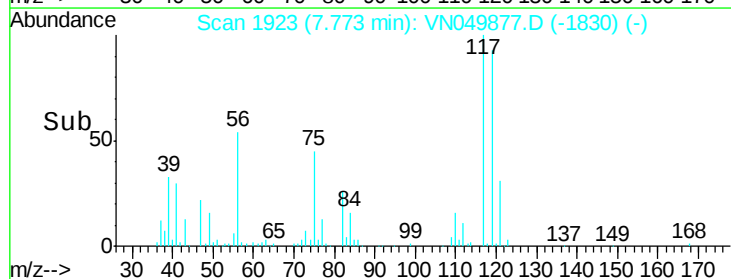
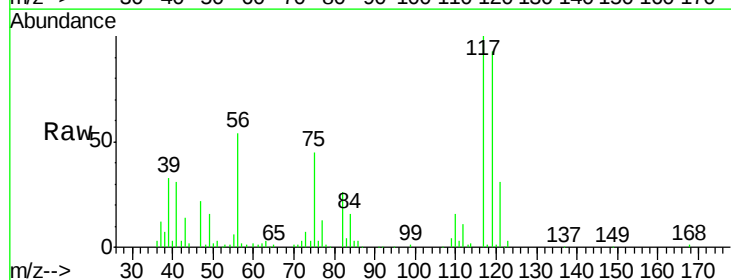
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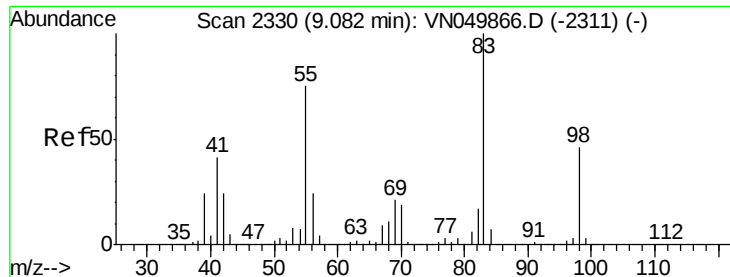
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#38
Carbon Tetrachloride
Concen: 18.83 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.2	115.8
121	30.9	25.0	37.6





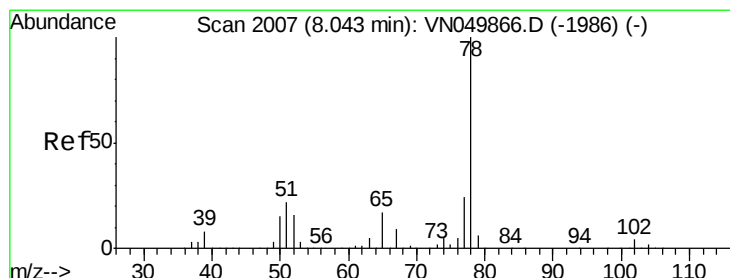
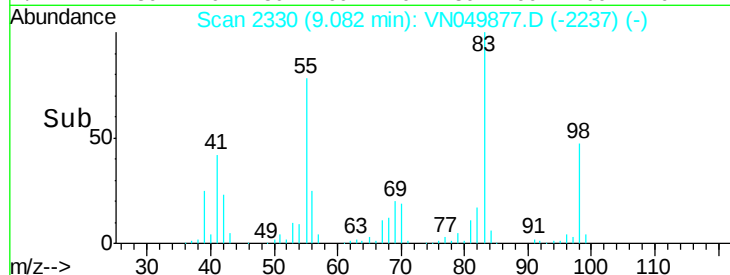
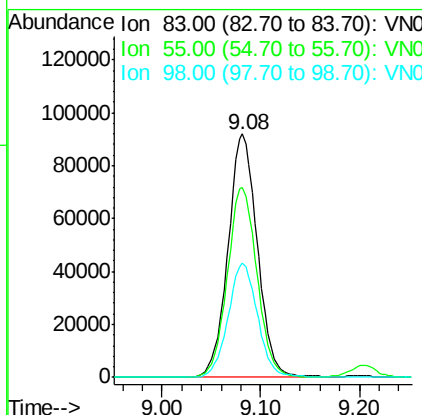
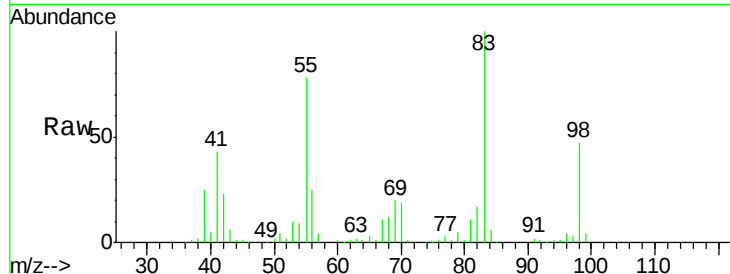
#39
Methvlcvclohexane
Concen: 18.76 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.1	59.7	89.5
98	46.8	36.5	54.7

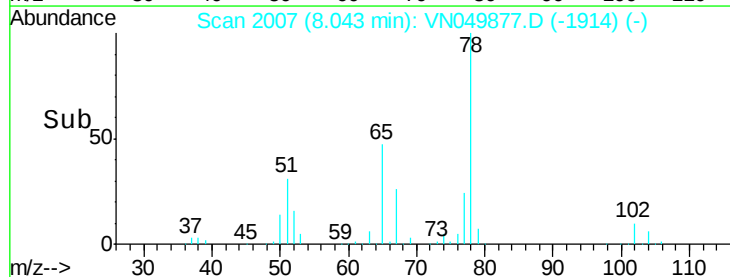
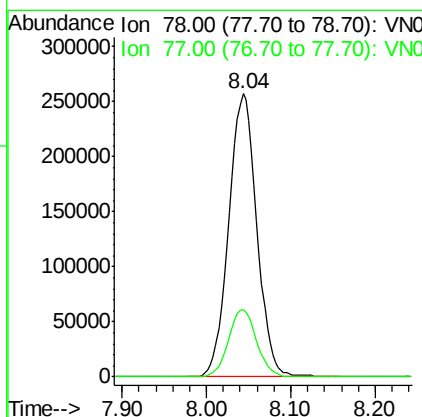
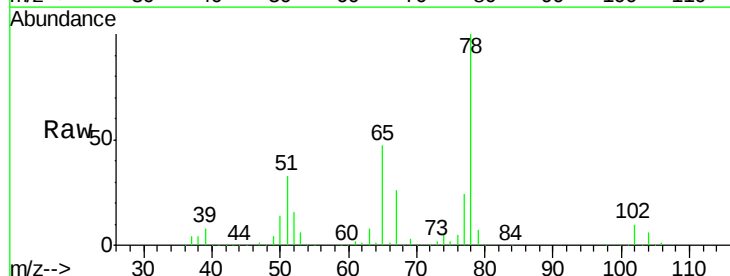
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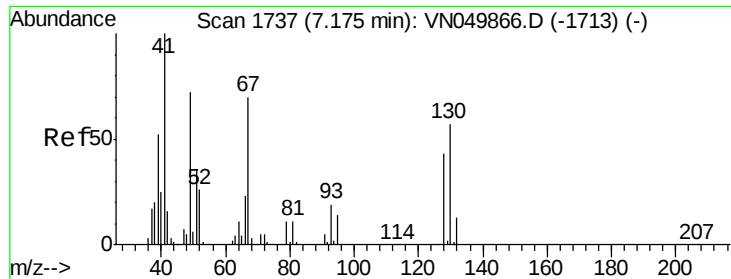
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#40
Benzene
Concen: 19.83 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





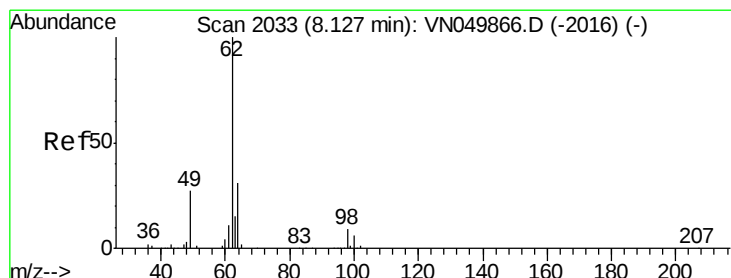
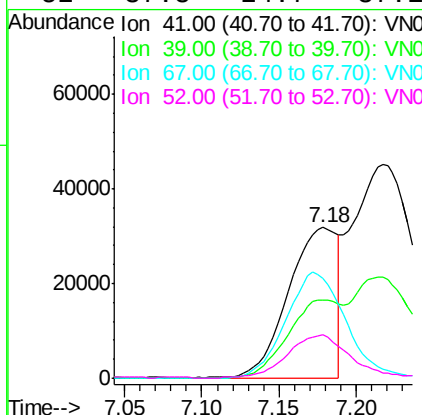
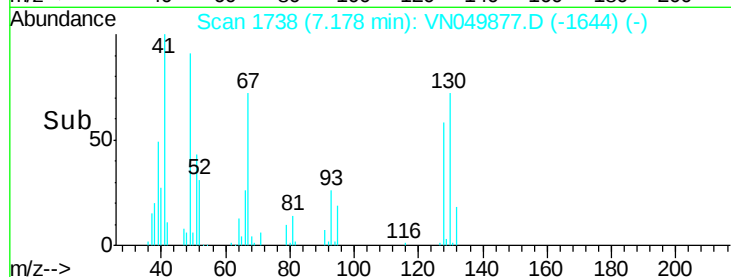
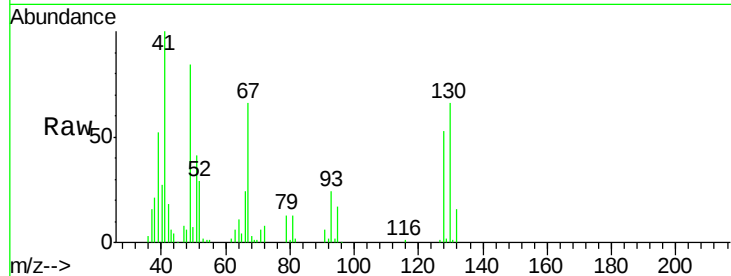
#41
Methacrylonitrile
Concen: 20.66 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Instrument :
MSVOA_N
ClientSampled :
VN0718WBSD01

Tot Ion	41	Resp	70065
Ion Ratio	Lower	Upper	
41	100		
39	56.4	45.4	68.2
67	86.6	65.4	98.0
52	37.8	24.7	37.1#

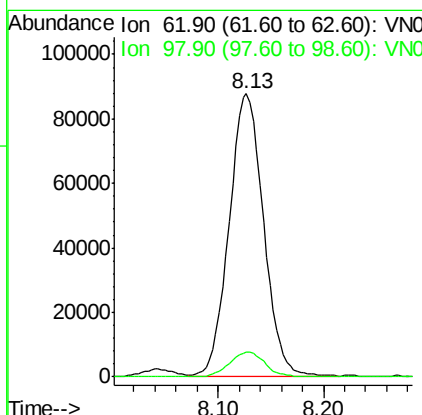
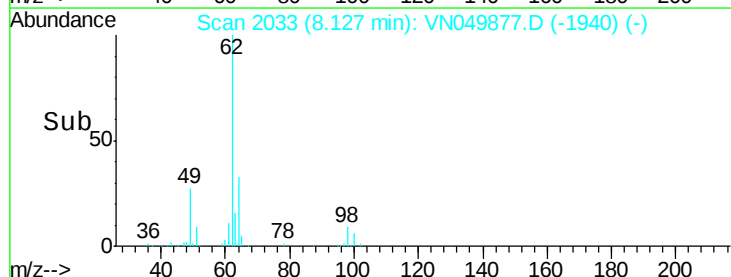
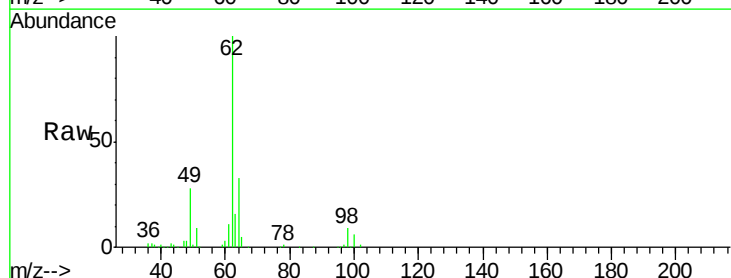
Manual Integrations
APPROVED

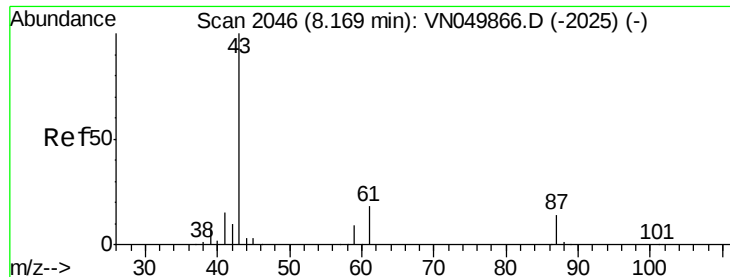
apatel
7/19/2018 4:30:51 PM



#42
1,2-Dichloroethane
Concen: 19.90 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Tgt Ion	62	Resp	197864
Ion Ratio	Lower	Upper	
62	100		
98	9.1	0.0	19.0





#43

Isopropyl Acetate

Concen: 24.53 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN049877.D

Acq: 18 Jul 2018 17:11

Instrument :

MSVOA_N

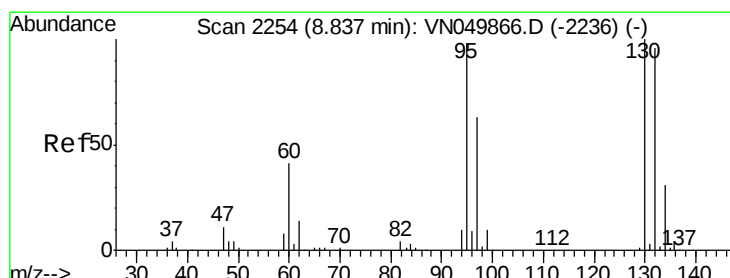
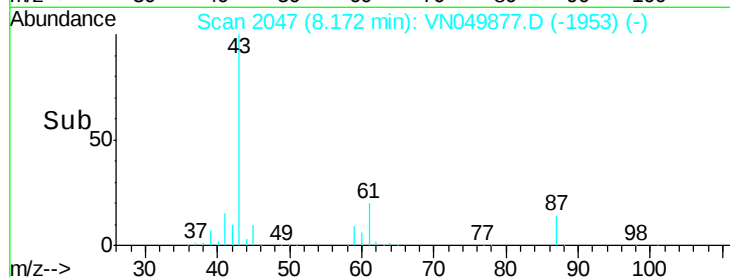
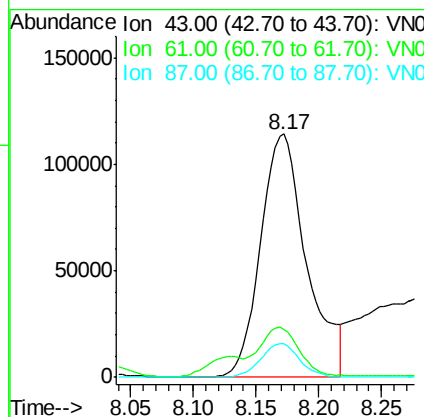
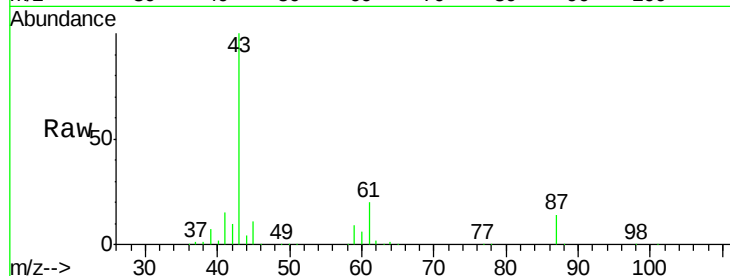
ClientSampleId :

VN0718WBSD01

Tot Ion:	43	Resp:	289820
Ion	Ratio	Lower	Upper
43	100		
61	17.2	14.9	22.3
87	11.7	10.0	15.0

Manual Integrations
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#44

Trichloroethene

Concen: 19.45 ug/l

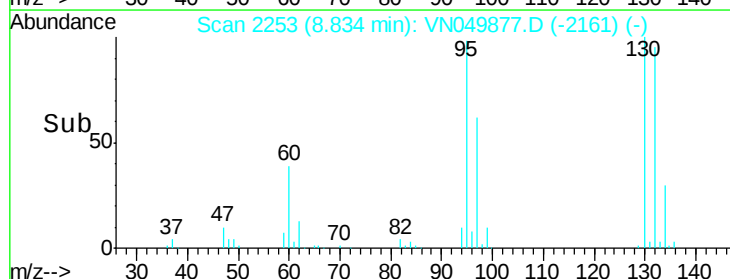
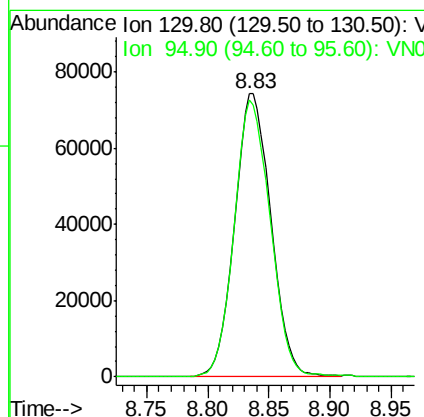
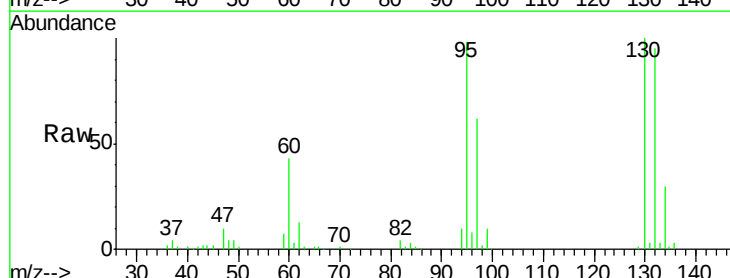
RT: 8.83 min Scan# 2253

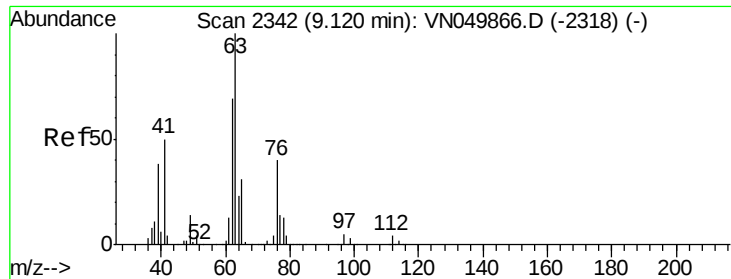
Delta R.T. -0.00 min

Lab File: VN049877.D

Acq: 18 Jul 2018 17:11

Tgt Ion:	130	Resp:	153104
Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	192.8





#45

1,2-Dichloropropane

Concen: 19.44 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049877.D

Acq: 18 Jul 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD01

Tot Ion: 63 Resp: 157473

Ion Ratio Lower Upper

63 100

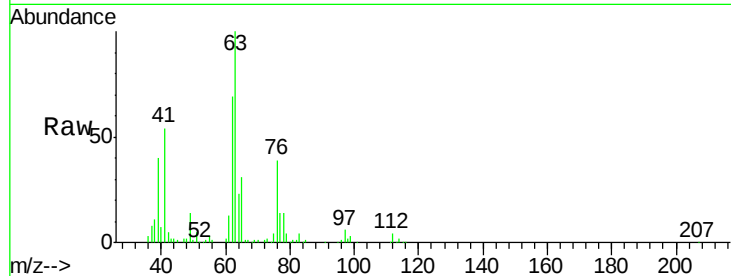
65 31.2 24.7 37.1

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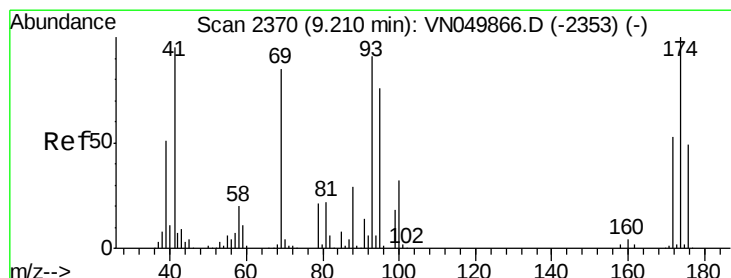
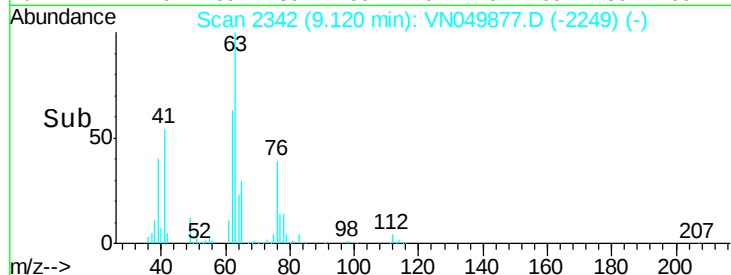
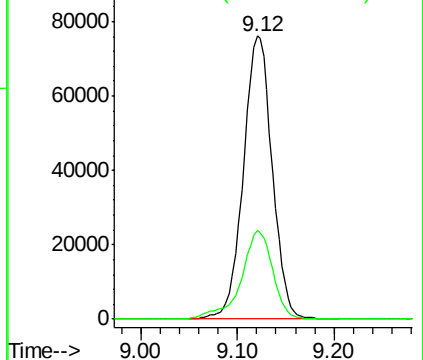
apatel

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.89 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049877.D

Acq: 18 Jul 2018 17:11

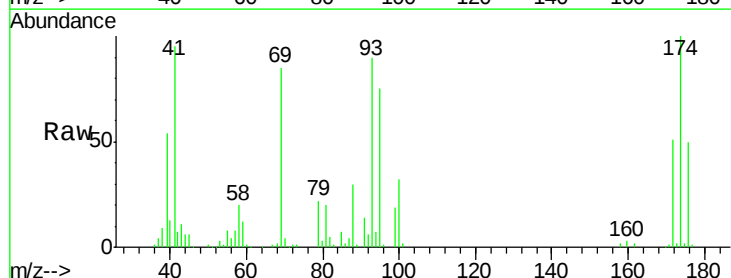
Tgt Ion: 93 Resp: 99889

Ion Ratio Lower Upper

93 100

95 82.8 67.9 101.9

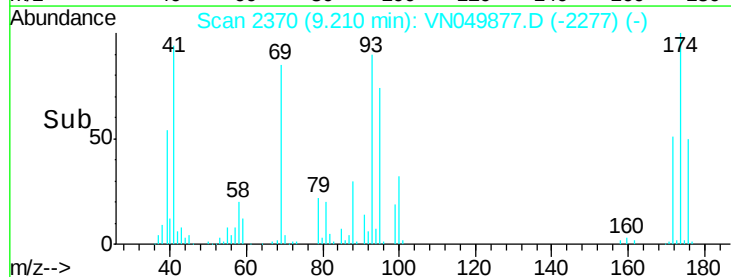
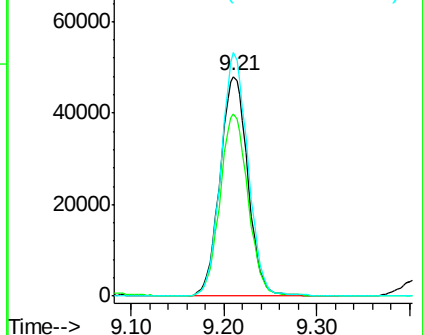
174 107.4 89.4 134.0

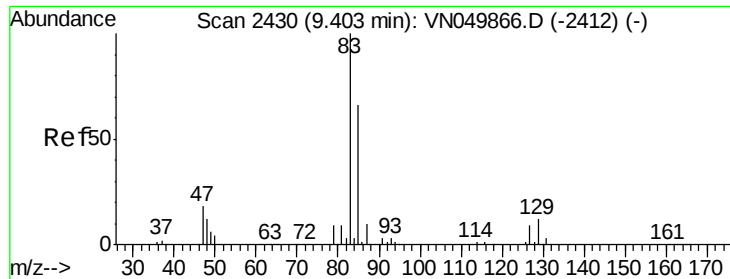


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





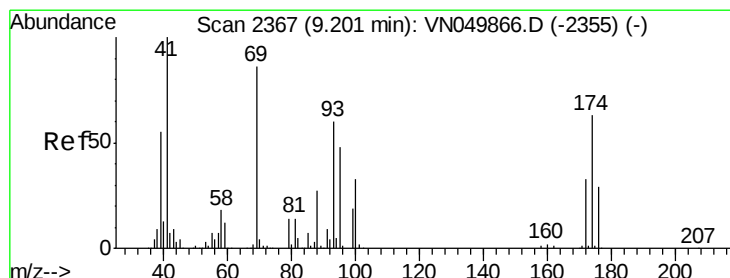
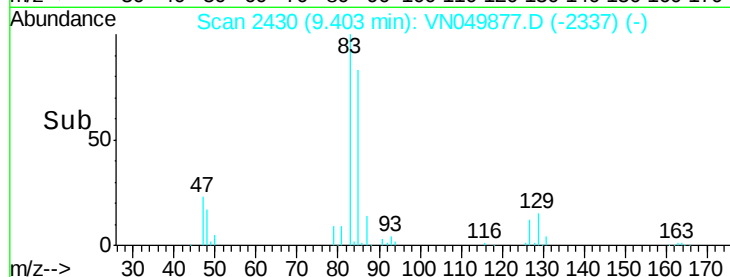
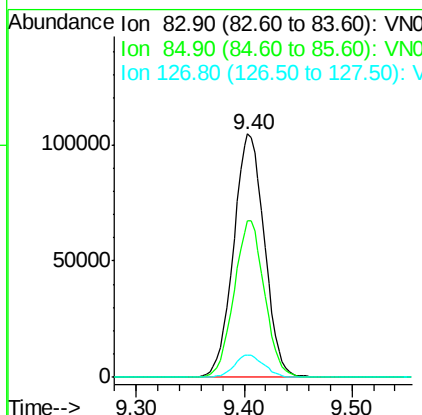
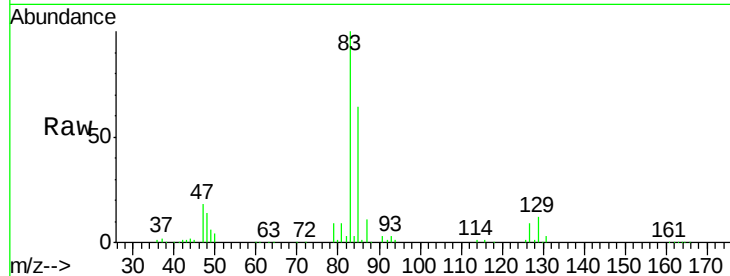
#47
Bromodichloromethane
Concen: 20.06 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD01

Tot Ion	83	Resp	208412
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	50.5	75.7
127	9.2	6.8	10.2

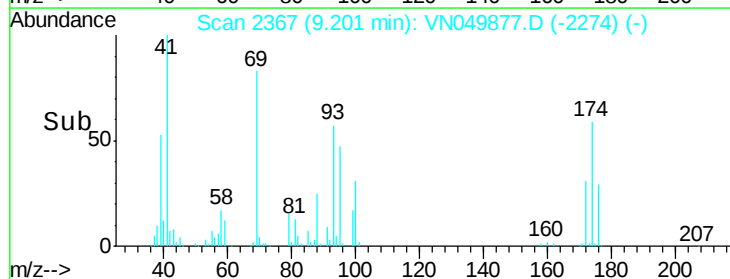
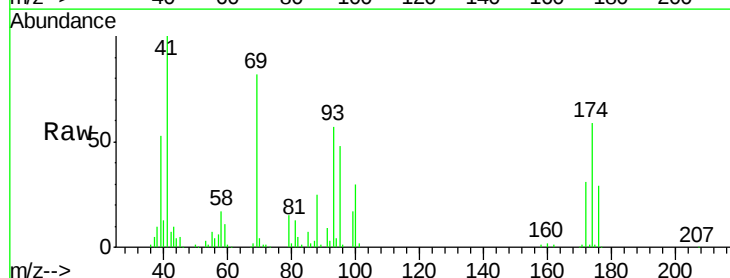
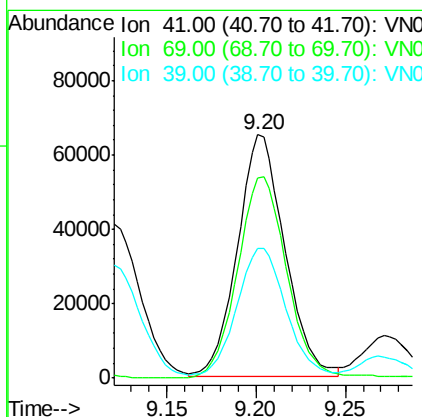
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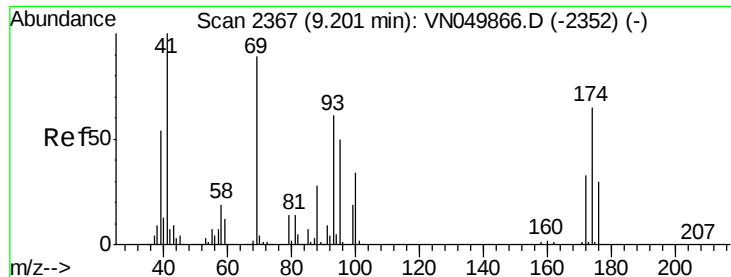
apatel
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#48
Methyl methacrylate
Concen: 20.44 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Tgt Ion	41	Resp	121131
Ion Ratio	100	Lower	Upper
41	100		
69	86.7	71.5	107.3
39	55.9	44.7	67.1





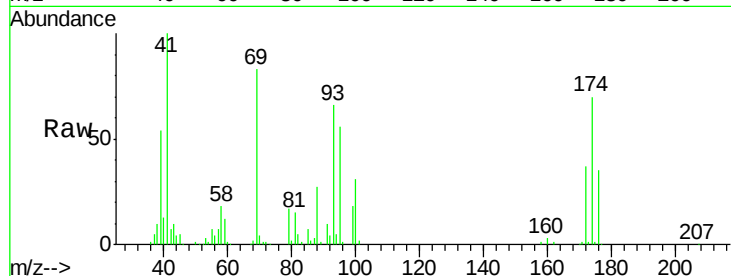
#49
1,4-Dioxane
Concen: 438.48 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Instrument :
MSVOA_N
ClientSampled :
VN0718WBSD01

Tot Ion	88	Resp	36870
Ion	Ratio	Lower	Upper
88	100		
43	31.1	25.1	37.7
58	67.8	52.5	78.7

Manual Integrations
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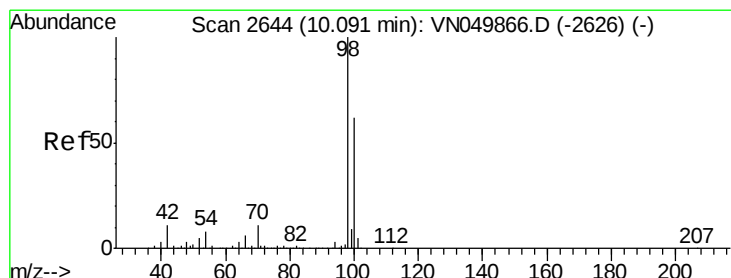
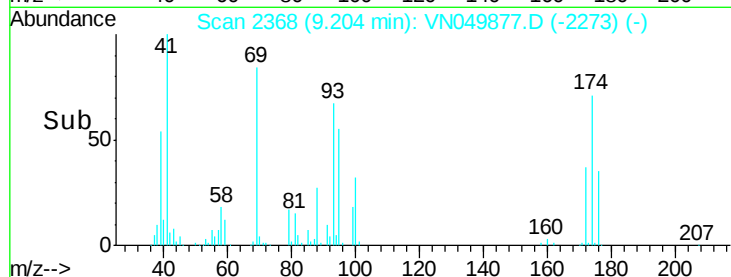
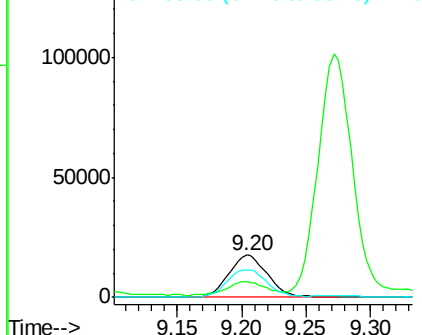
apatel
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Abundance Ion 88.00 (87.70 to 88.70): VN049866.D (-2352) (-)

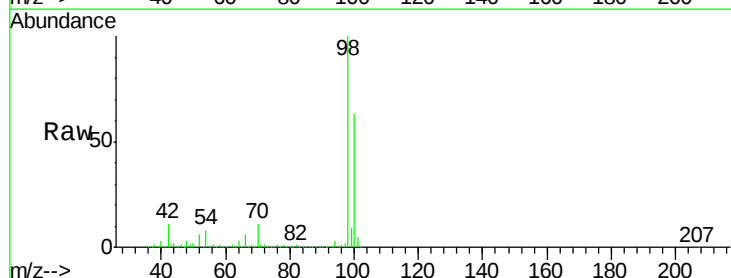
Ion 43.00 (42.70 to 43.70): VN049866.D (-2352) (-)

Ion 58.00 (57.70 to 58.70): VN049866.D (-2352) (-)



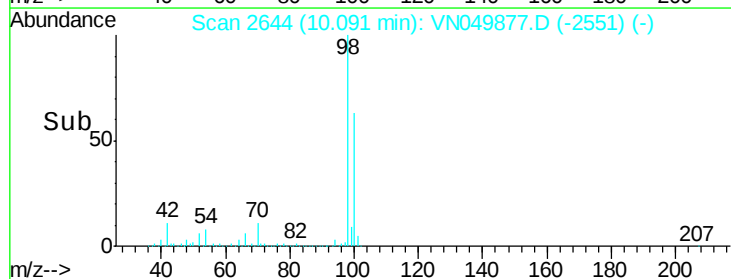
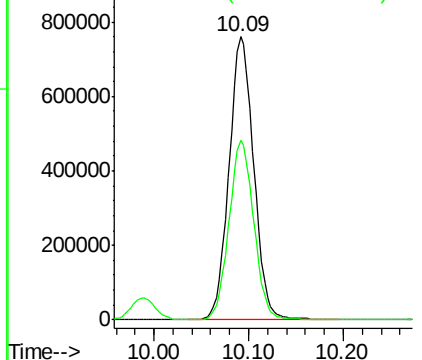
#50
Toluene-d8
Concen: 50.97 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

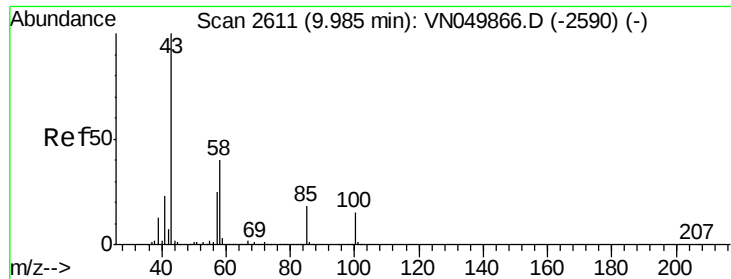
Tgt Ion	98	Resp	1381181
Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN049866.D (-2626) (-)

Ion 100.00 (99.70 to 100.70): VN049866.D (-2626) (-)





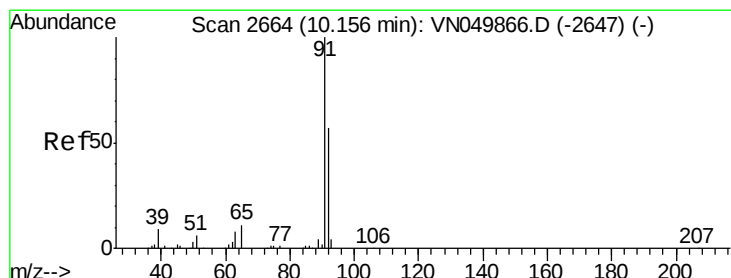
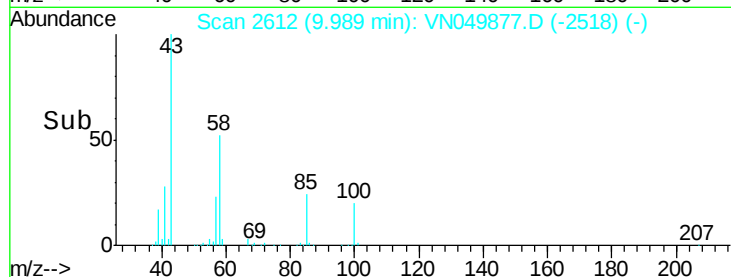
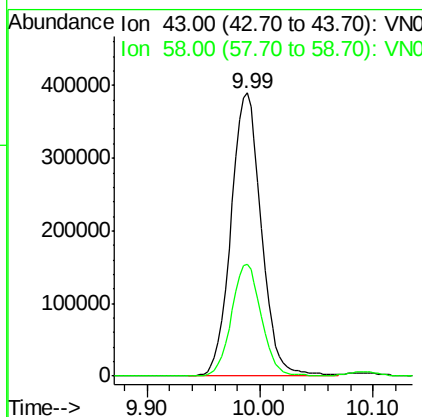
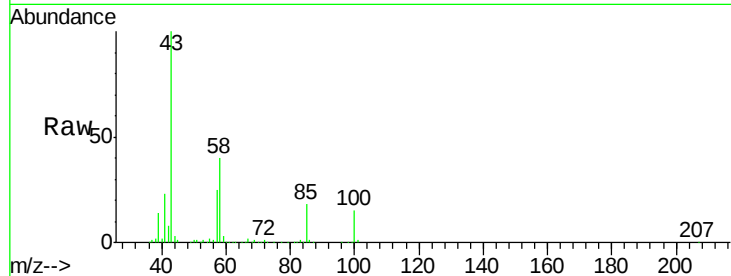
#51
4-Methyl-2-Pentanone
Concen: 109.50 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.8	47.8

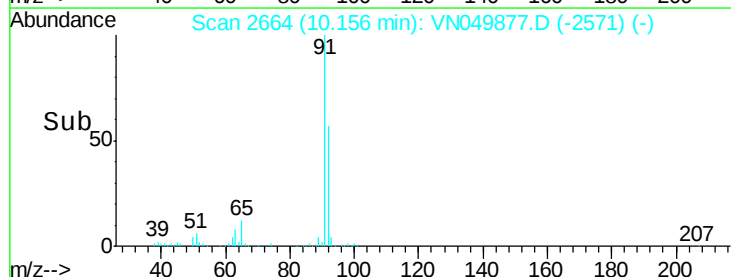
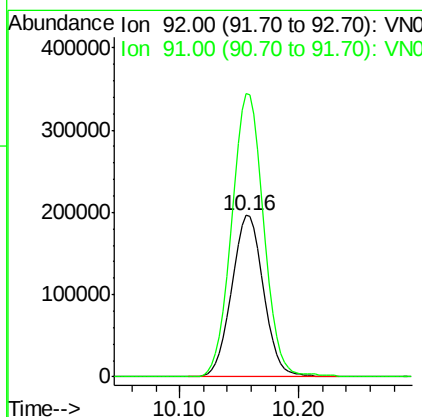
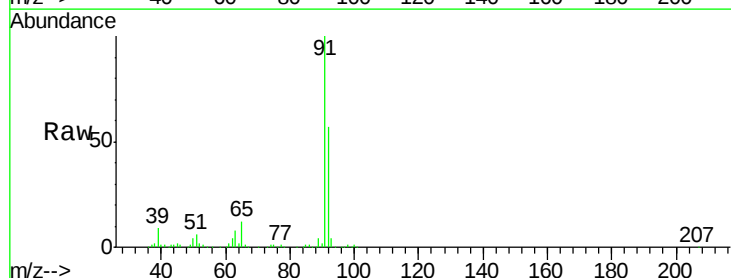
Manual Integrations
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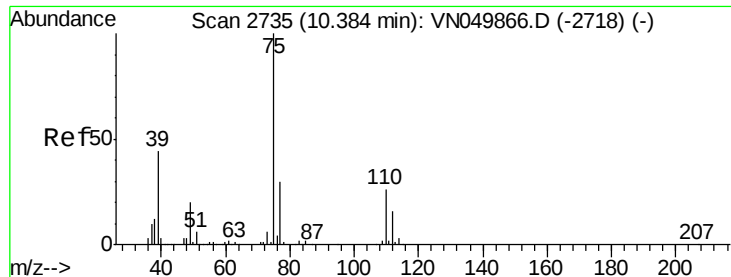
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#52
Toluene
Concen: 20.43 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.7	140.1	210.1





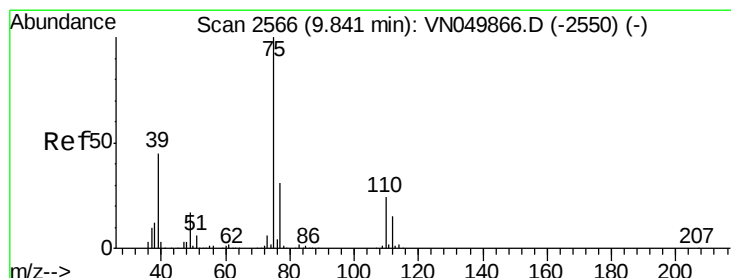
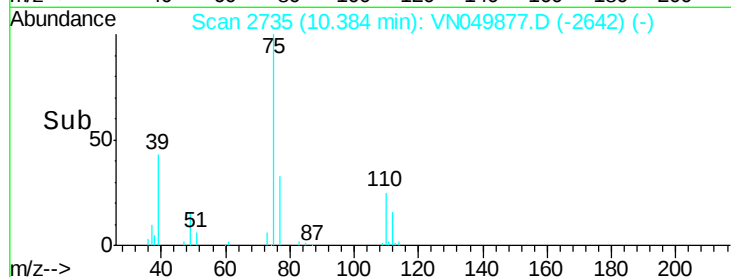
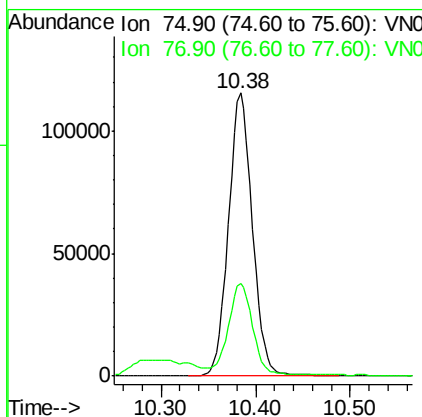
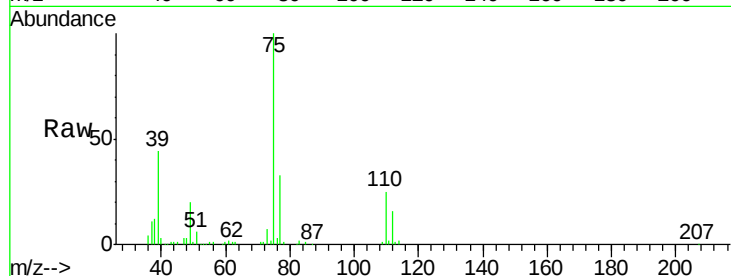
#53
t-1,3-Dichloropropene
Concen: 19.79 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Instrument :
MSVOA_N
ClientSampled :
VN0718WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.2	37.8

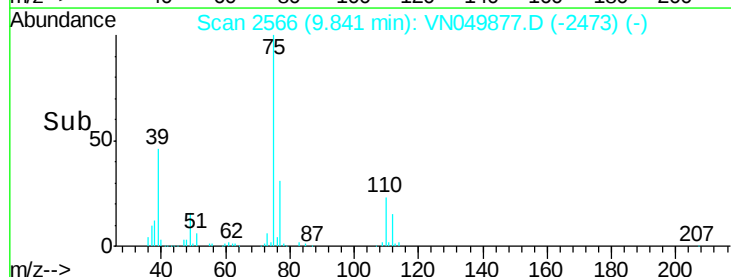
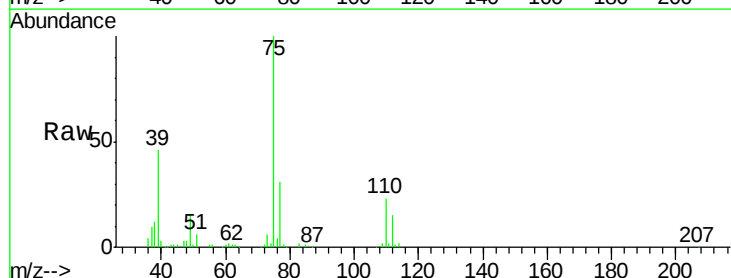
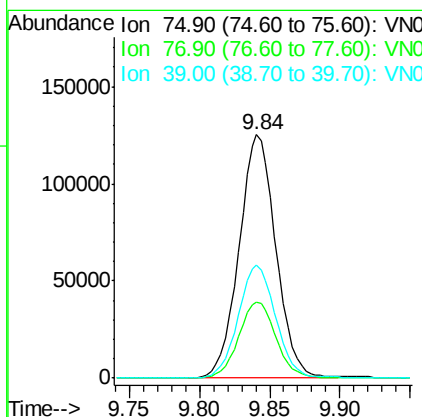
Manual Integrations
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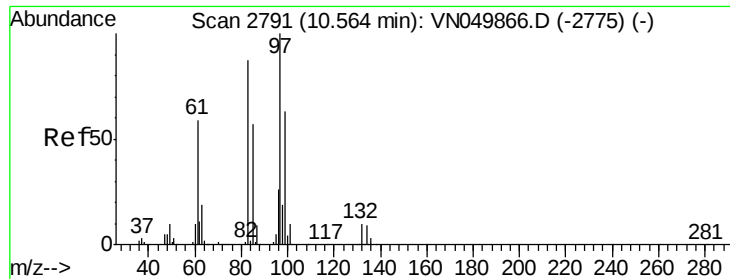
apatel
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#54
cis-1,3-Dichloropropene
Concen: 20.17 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.3	37.9
39	46.1	35.5	53.3





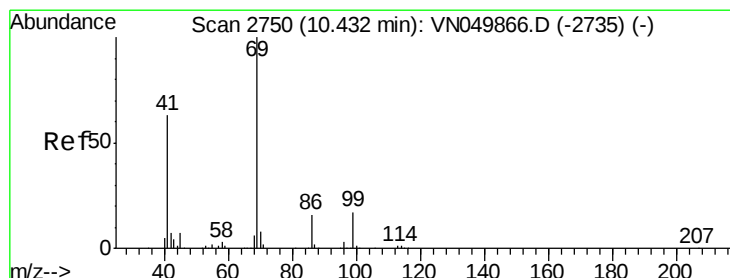
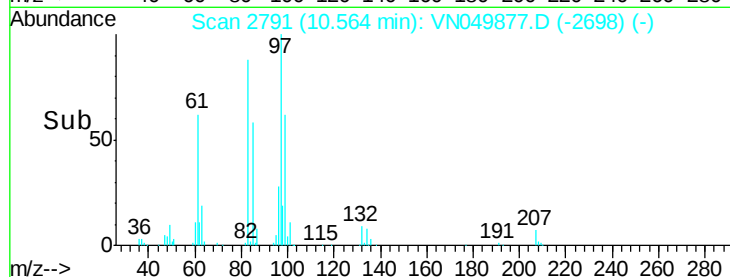
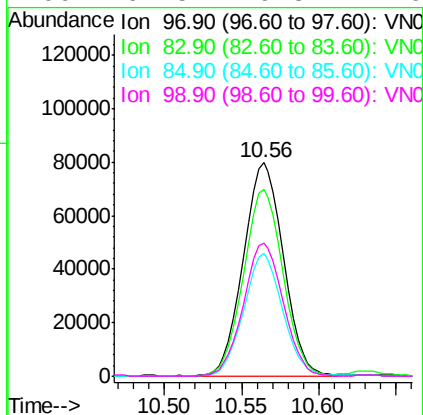
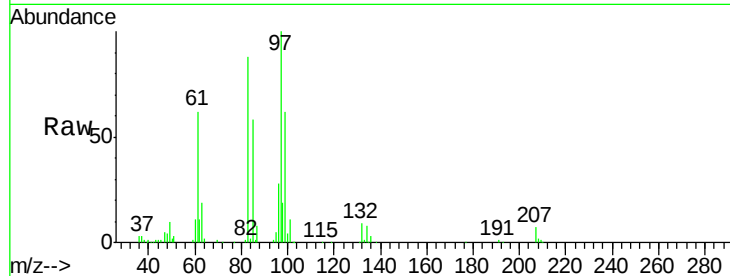
#55
 1,1,2-Trichloroethane
 Concen: 19.38 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		143400		
83	87.8	69.0	103.6		
85	57.7	44.9	67.3		
99	62.5	49.8	74.6		

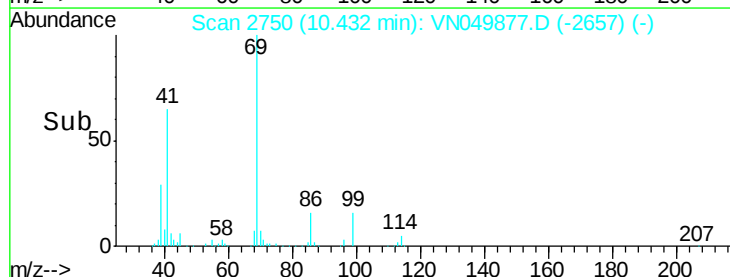
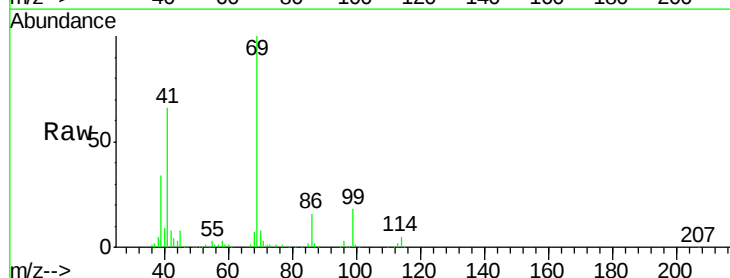
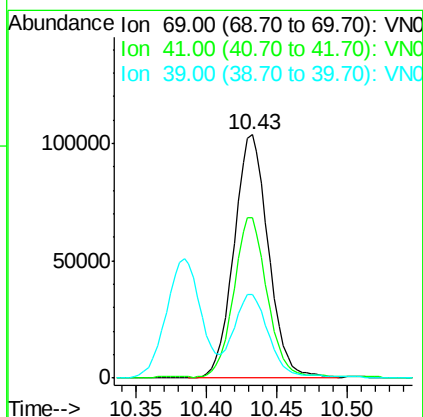
Manual Integrations
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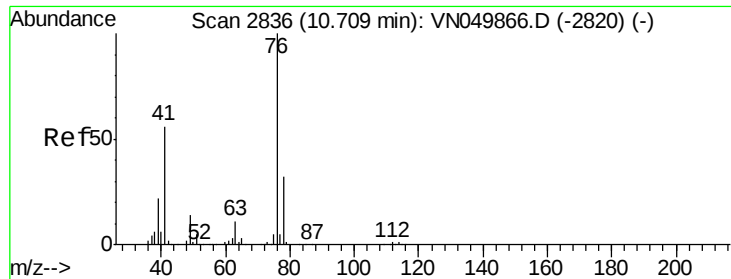
apatel
 7/19/2018 4:30:51 PM



#56
 Ethyl methacrylate
 Concen: 19.28 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		177790		
41	63.4	51.6	77.4		
39	34.8	25.8	38.8		





#57

1,3-Dichloropropane

Concen: 20.18 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049877.D

Acq: 18 Jul 2018 17:11

Instrument :

MSVOA_N

ClientSampled :

VN0718WBSD01

Tot Ion: 76 Resp: 235146

Ion Ratio Lower Upper

76 100

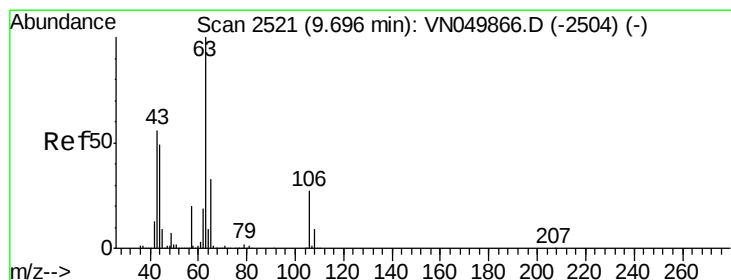
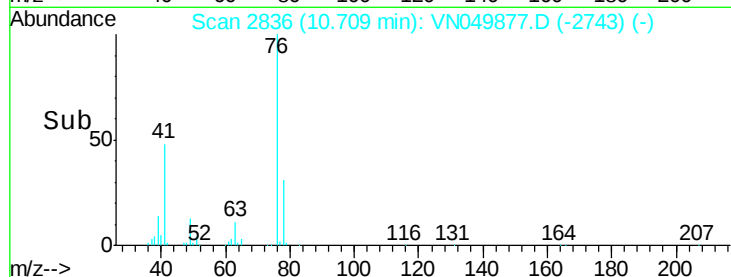
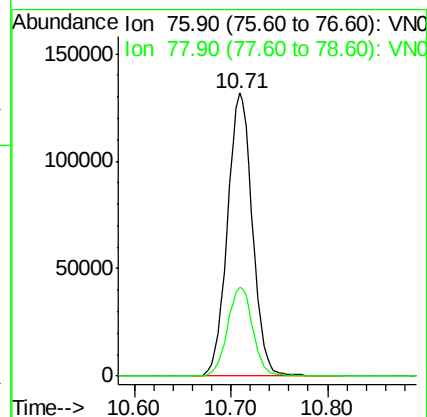
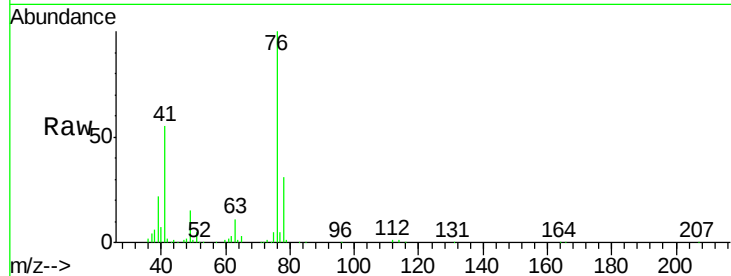
78 31.9 25.8 38.8

Manual Integrations

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apatel

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#58

2-Chloroethyl Vinyl ether

Concen: 110.84 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049877.D

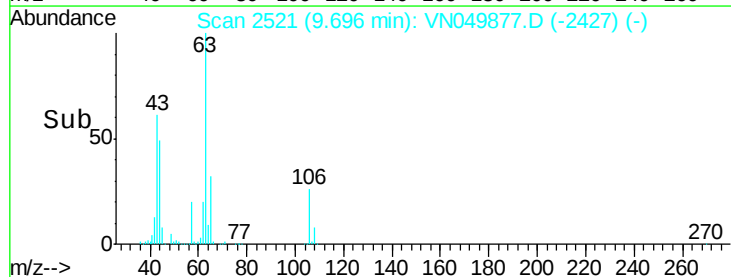
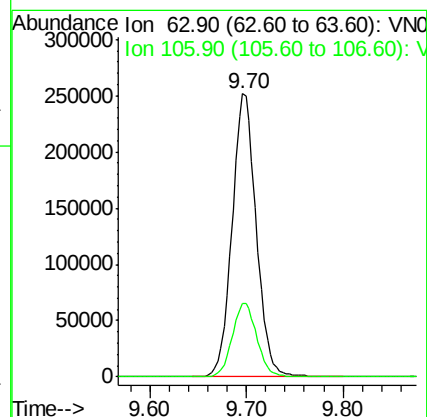
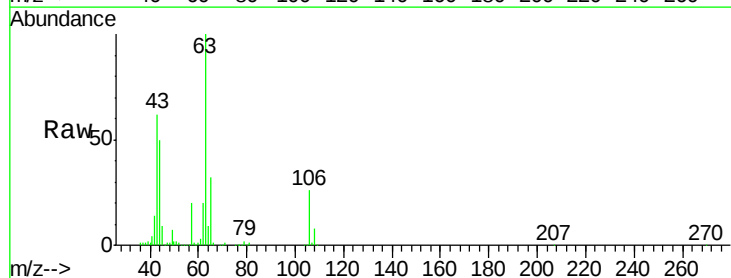
Acq: 18 Jul 2018 17:11

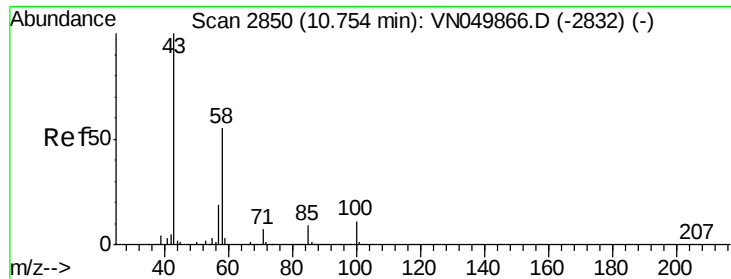
Tgt Ion: 63 Resp: 436812

Ion Ratio Lower Upper

63 100

106 26.4 21.8 32.8





#59

2-Hexanone

Concen: 109.42 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN049877.D

Acq: 18 Jul 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD01

Tot Ion: 43 Resp: 485486

Ion Ratio Lower Upper

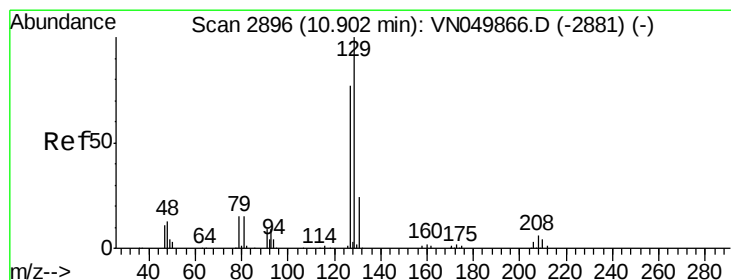
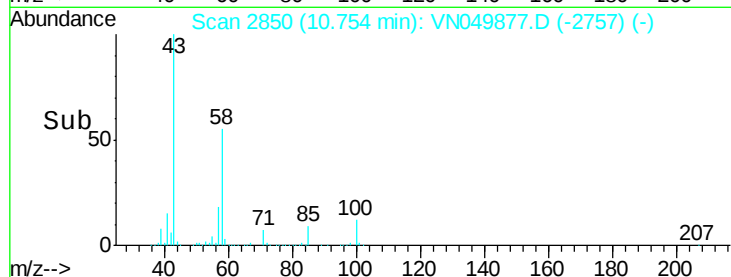
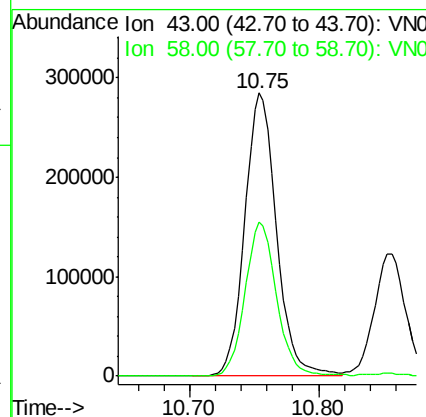
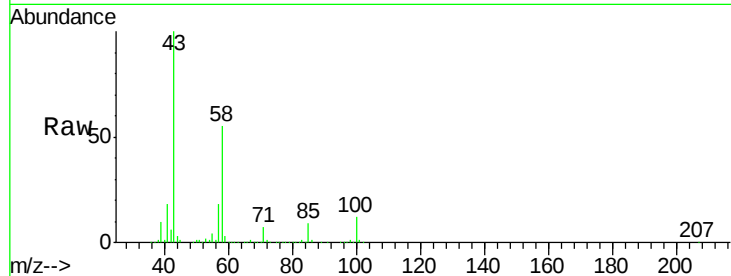
43 100

58 54.3 27.8 83.4

Manual Integrations
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#60

Dibromochloromethane

Concen: 19.52 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. 0.00 min

Lab File: VN049877.D

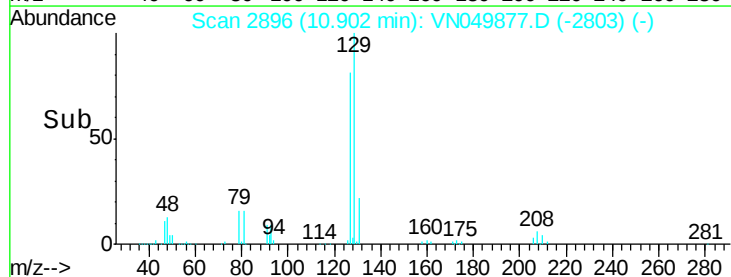
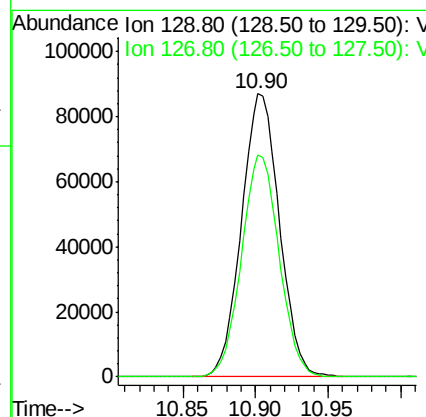
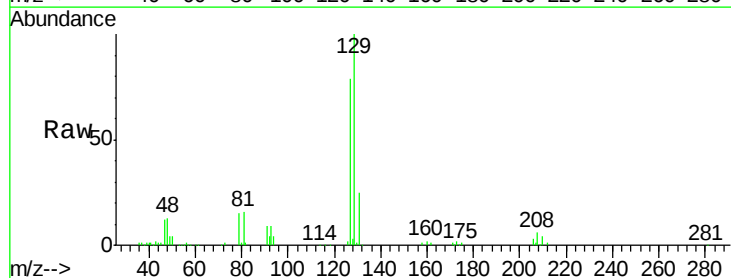
Acq: 18 Jul 2018 17:11

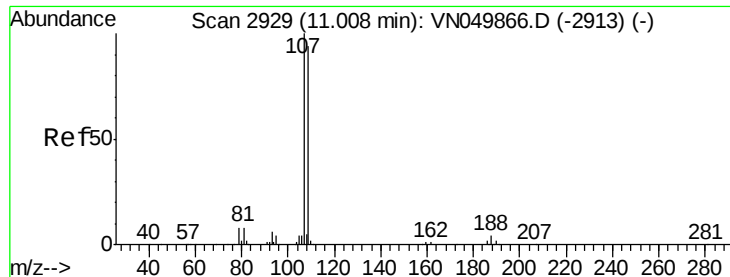
Tgt Ion: 129 Resp: 158384

Ion Ratio Lower Upper

129 100

127 78.0 38.3 114.9





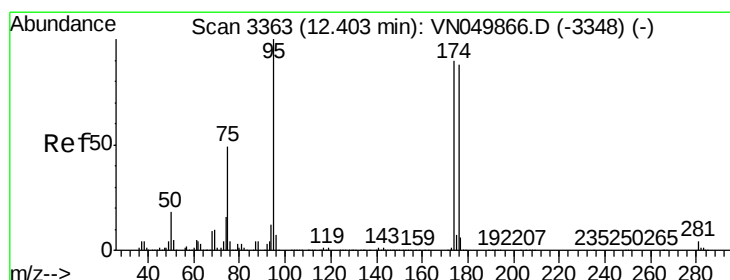
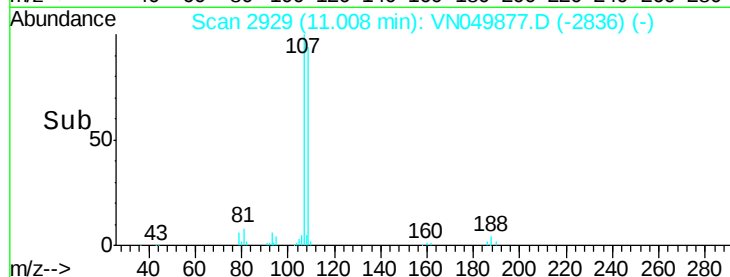
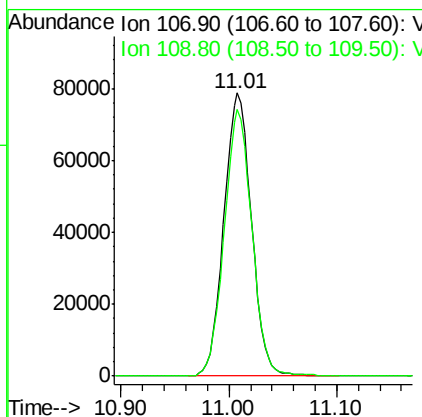
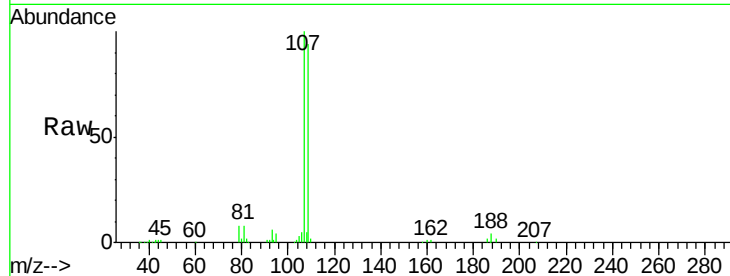
#61
 1,2-Dibromoethane
 Concen: 20.31 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.0	112.6

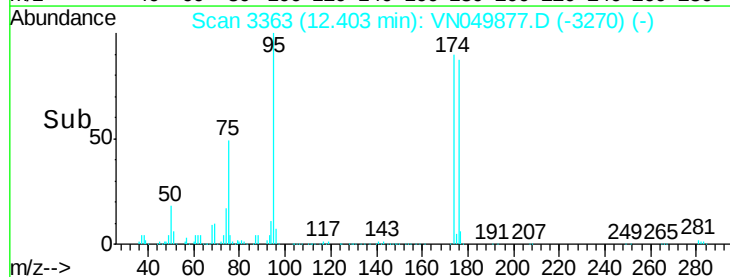
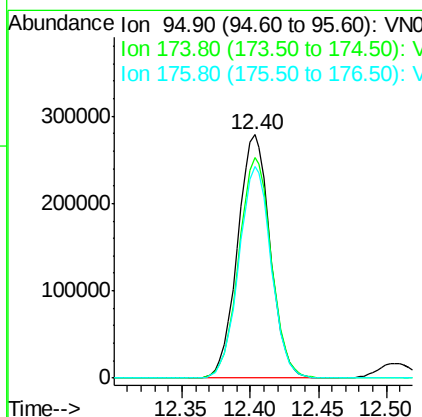
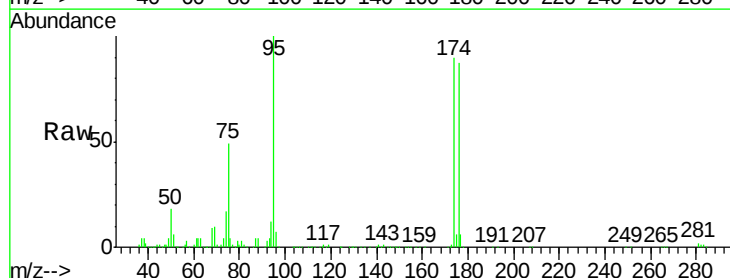
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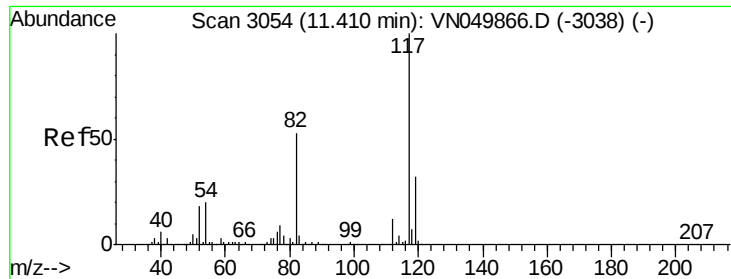
apatel
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#62
 4-Bromofluorobenzene
 Concen: 49.39 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	179.6
176	86.3	0.0	174.0





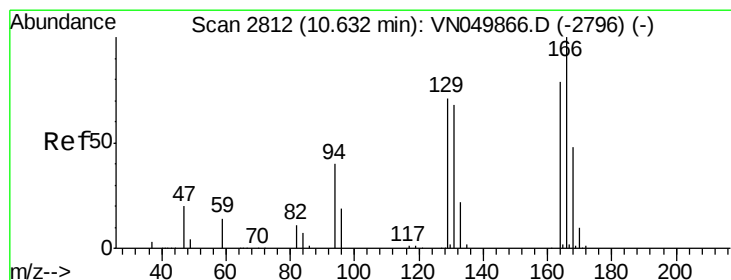
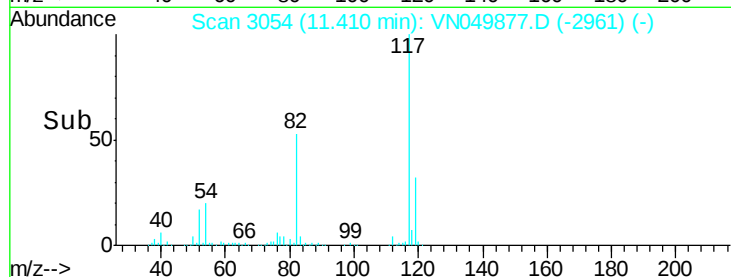
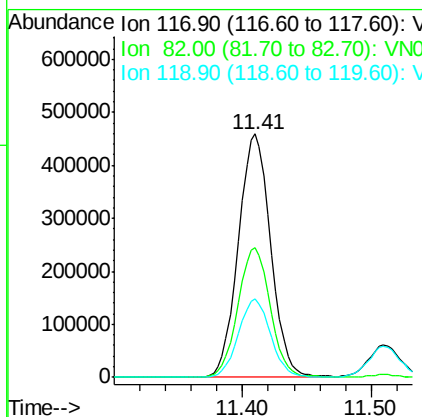
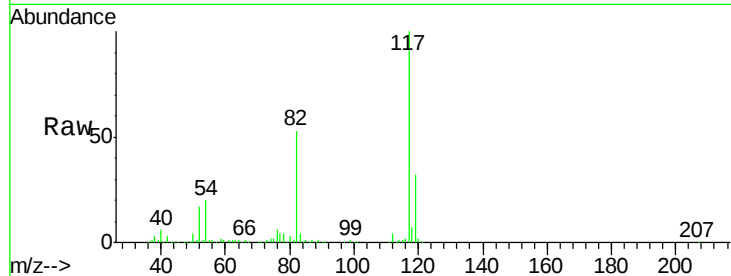
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	41.9	62.9
119	32.1	25.4	38.2

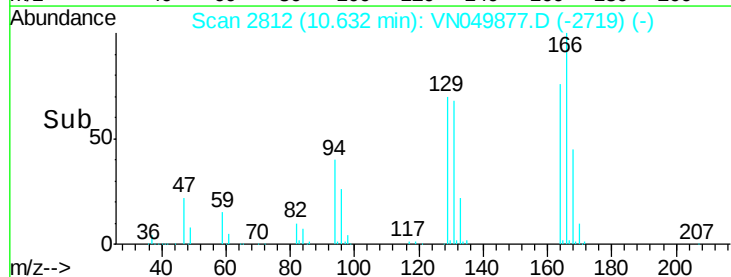
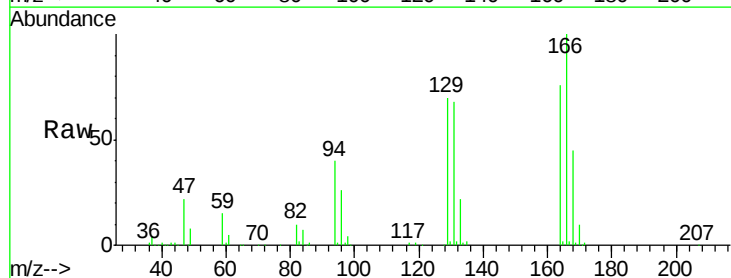
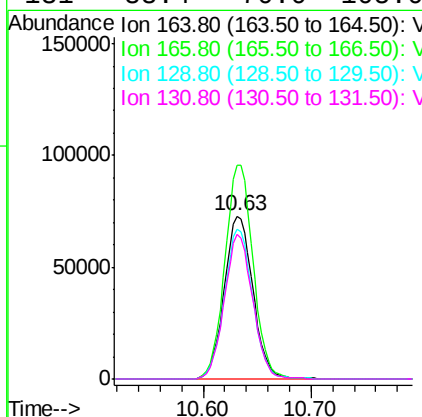
Manual Integrations
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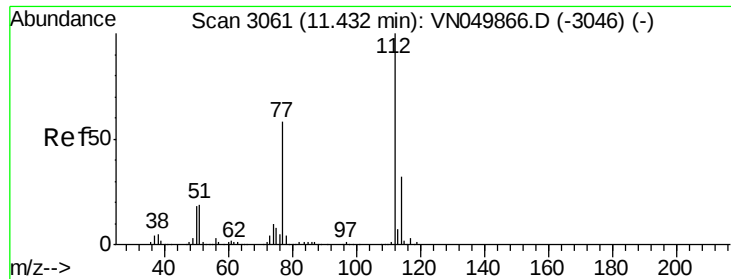
apatel
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#64
Tetrachloroethene
Concen: 18.65 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	101.8	152.6
129	91.8	72.8	109.2
131	88.4	70.0	105.0





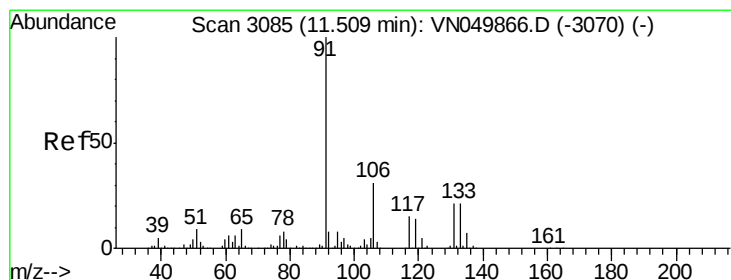
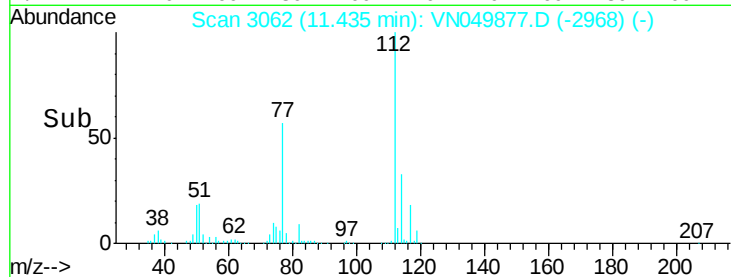
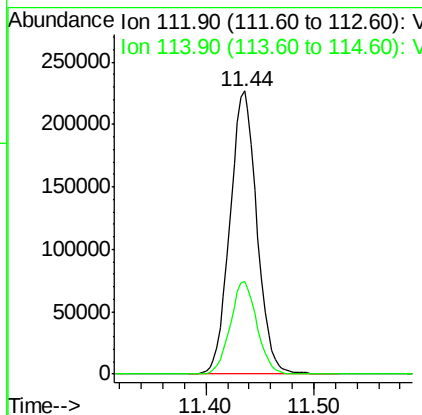
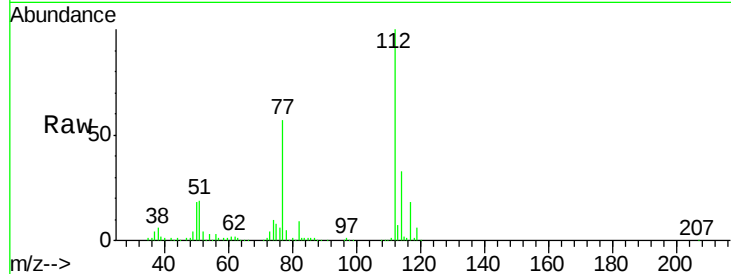
#65
Chlorobenzene
Concen: 19.60 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Instrument :
MSVOA_N
ClientSampled :
VN0718WBSD01

Tot Ion:112 Resp: 395464
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.0

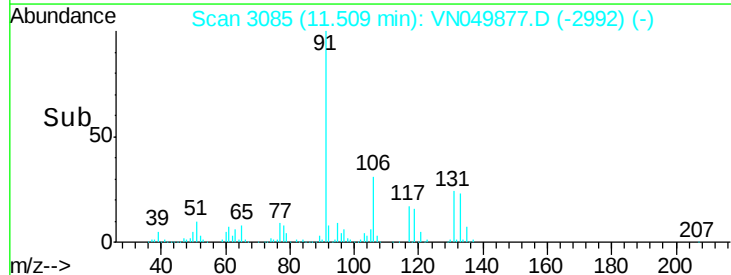
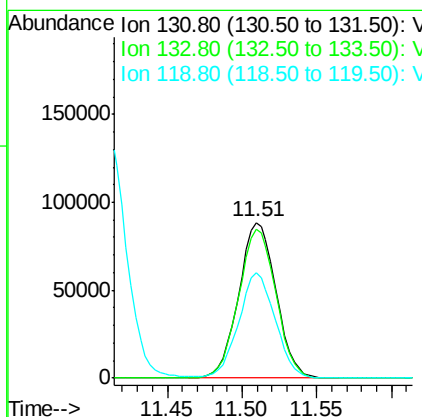
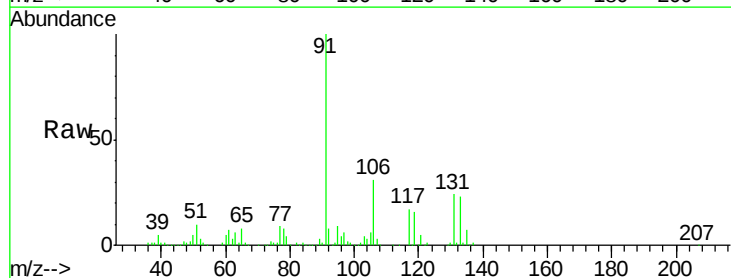
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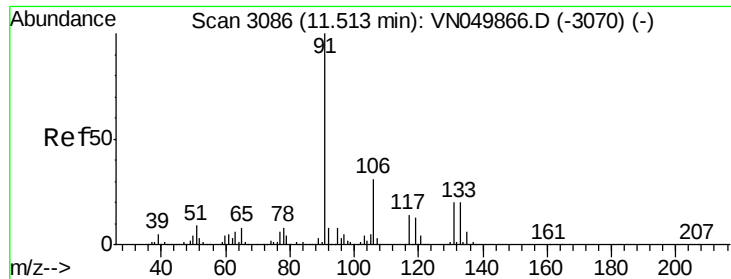
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.63 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Tgt Ion:131 Resp: 153416
Ion Ratio Lower Upper
131 100
133 95.7 47.5 142.6
119 66.4 33.1 99.3





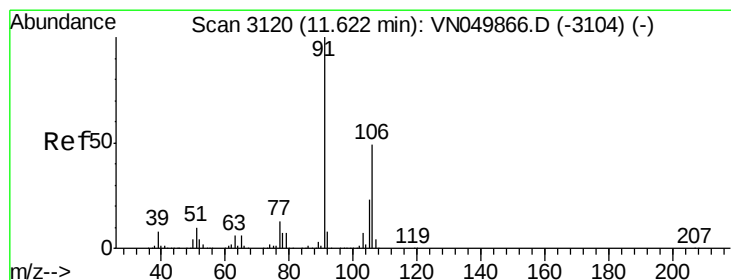
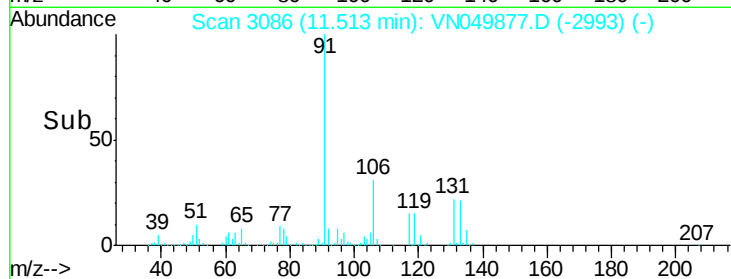
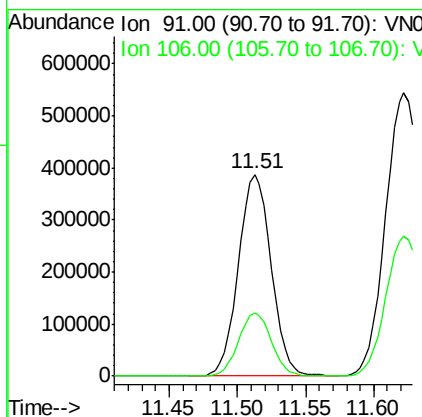
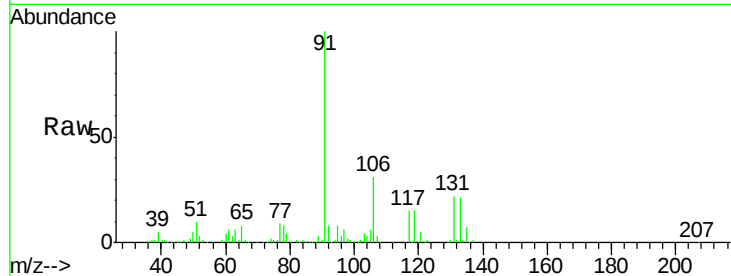
#67
Ethyl Benzene
Concen: 19.83 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.8	37.2

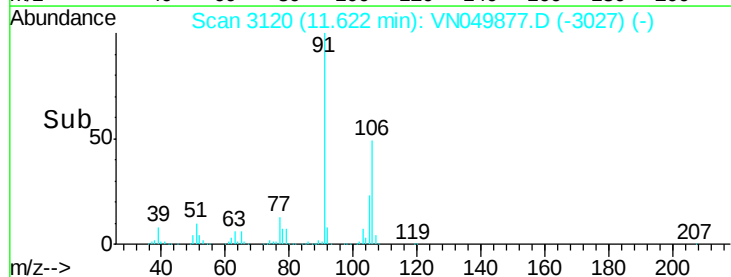
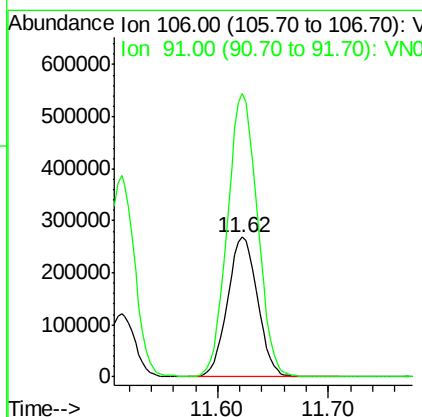
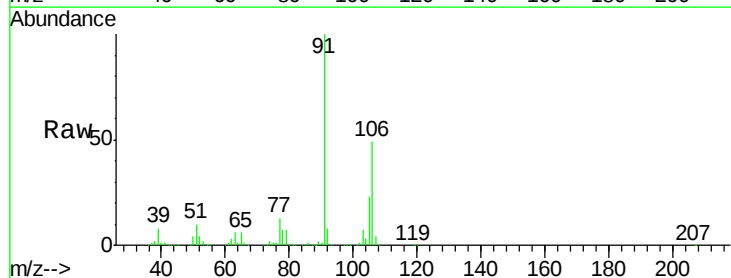
Manual Integrations
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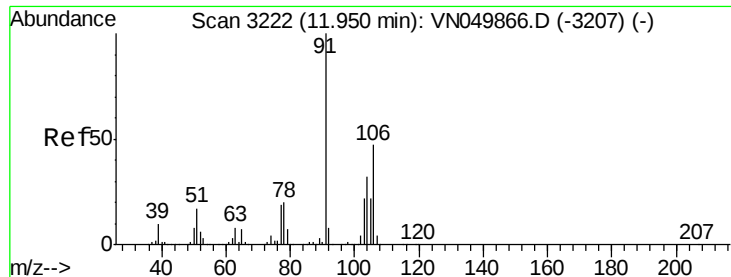
apatel
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#68
m/p-Xylenes
Concen: 41.03 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.6	163.4	245.2





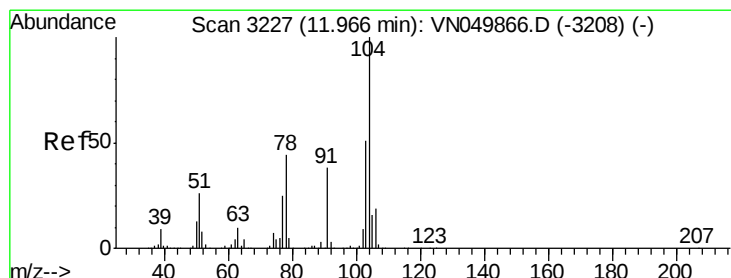
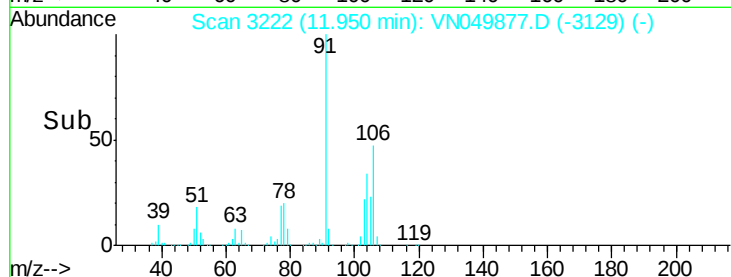
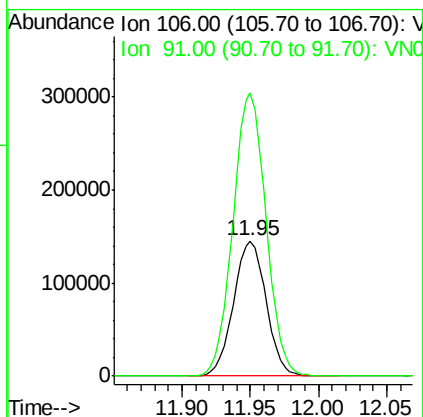
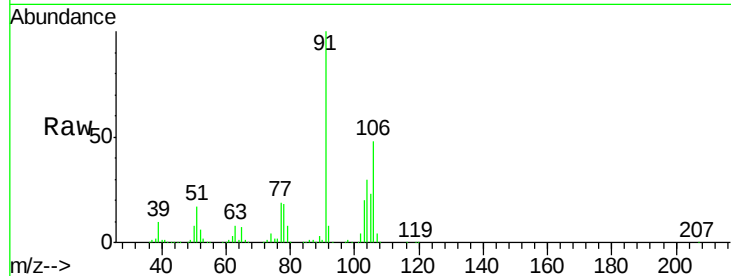
#69
o-Xylene
Concen: 20.28 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Instrument :
MSVOA_N
ClientSampled :
VN0718WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		241284		
91	212.5	108.7	326.1		

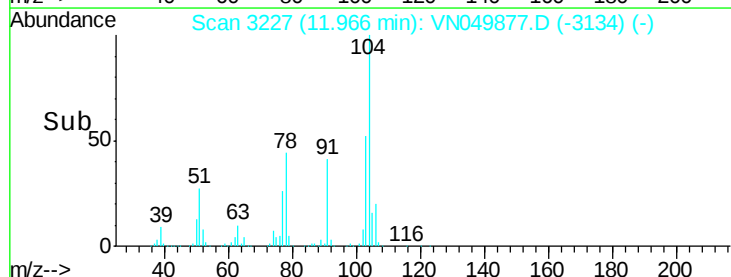
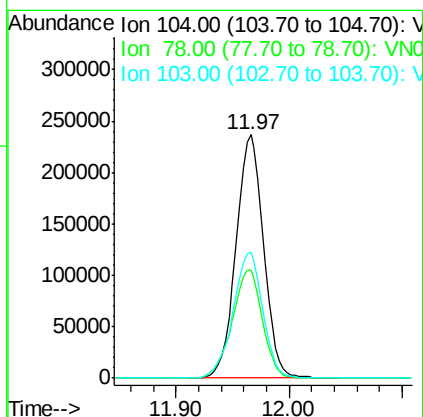
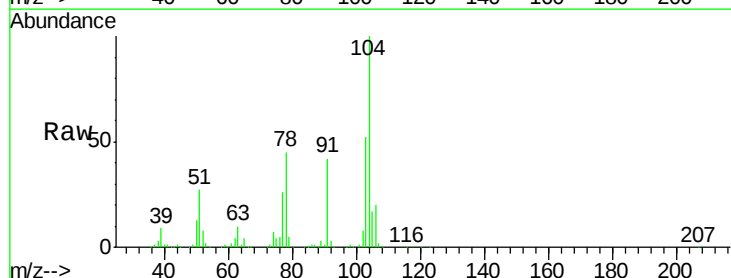
Manual Integrations
APPROVED

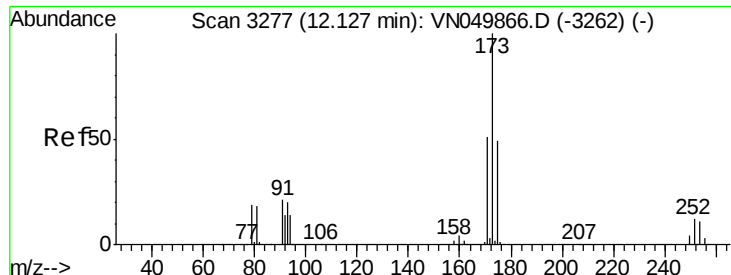
apatel
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#70
Styrene
Concen: 20.83 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		401581		
78	48.8	39.2	58.8		
103	55.8	44.6	67.0		





#71

Bromoform

Concen: 20.27 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049877.D

Acq: 18 Jul 2018 17:11

Instrument :

MSVOA_N

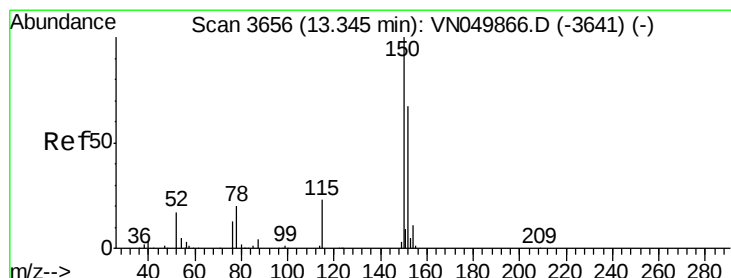
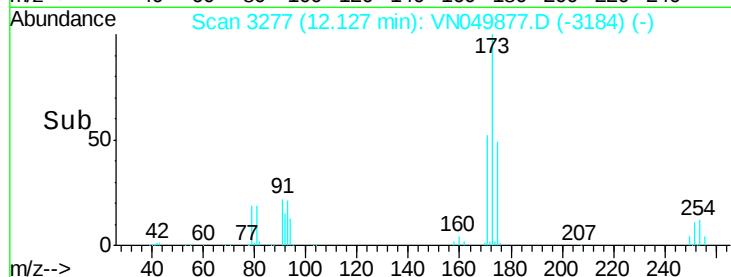
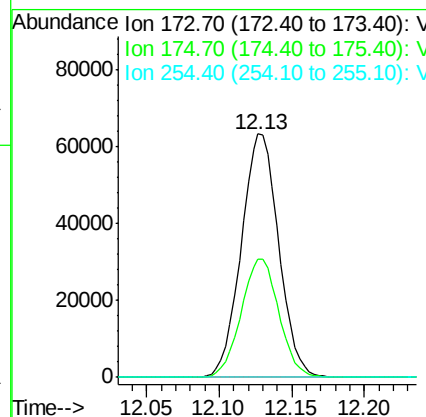
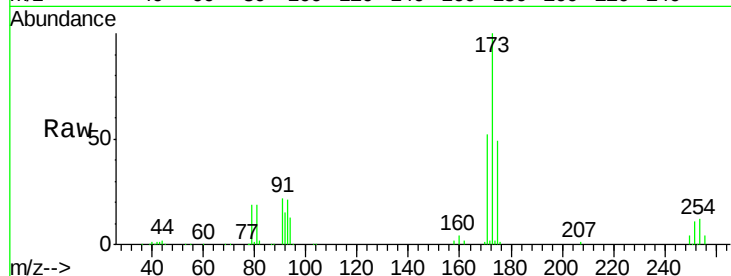
ClientSampleId :

VN0718WBSD01

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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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

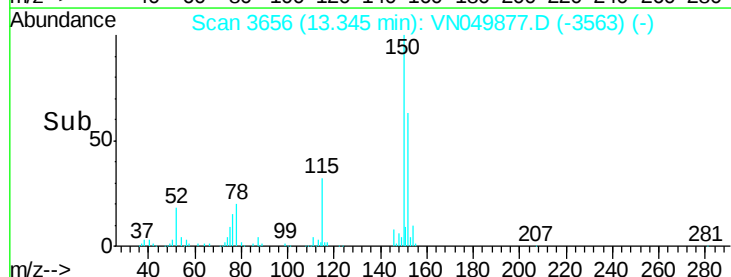
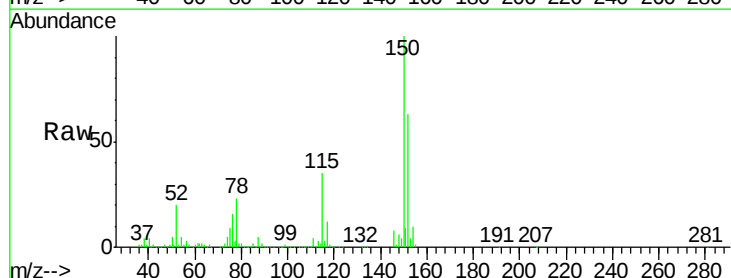
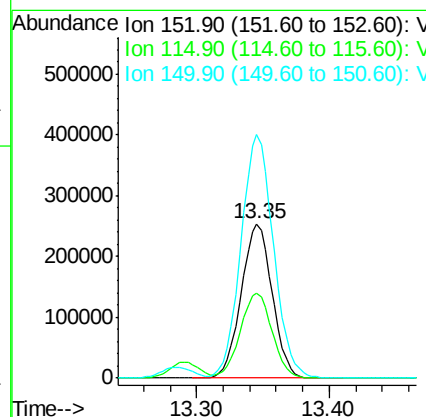
RT: 13.35 min Scan# 3656

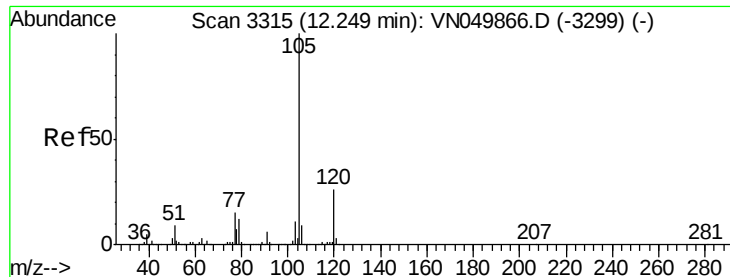
Delta R.T. 0.00 min

Lab File: VN049877.D

Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.1	84.2
150	165.7	0.0	347.6





#73

Isopropylbenzene

Concen: 20.66 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN049877.D

Acq: 18 Jul 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD01

Tot Ion: 105 Resp: 647019

Ion Ratio Lower Upper

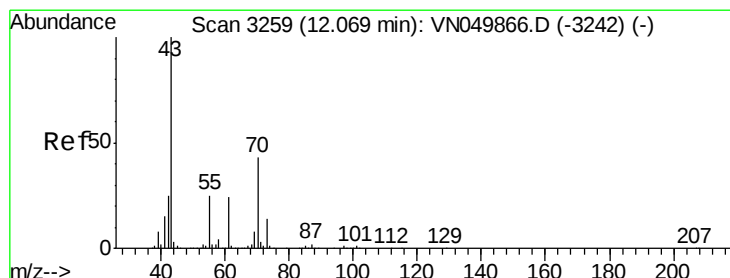
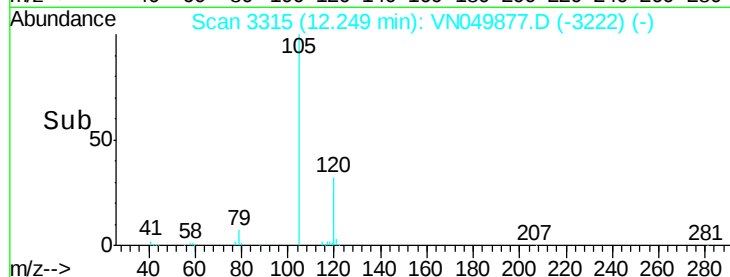
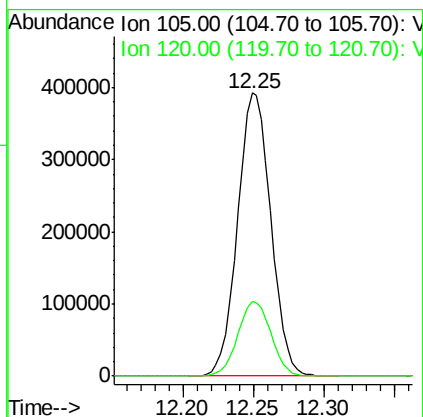
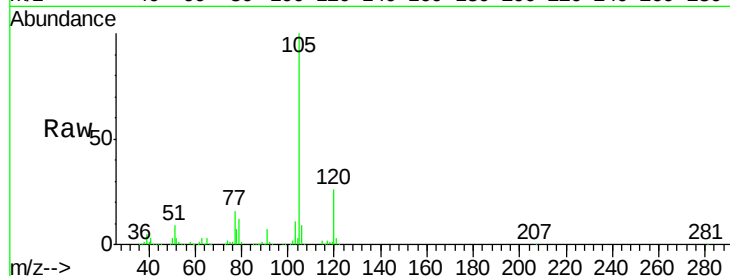
105 100

120 26.4 13.3 39.8

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#74

N-ethyl acetate

Concen: 21.33 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049877.D

Acq: 18 Jul 2018 17:11

Tgt Ion: 43 Resp: 203385

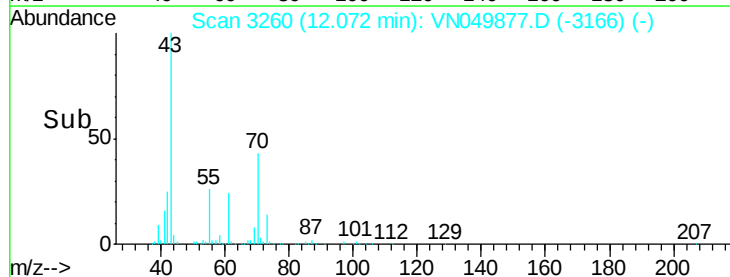
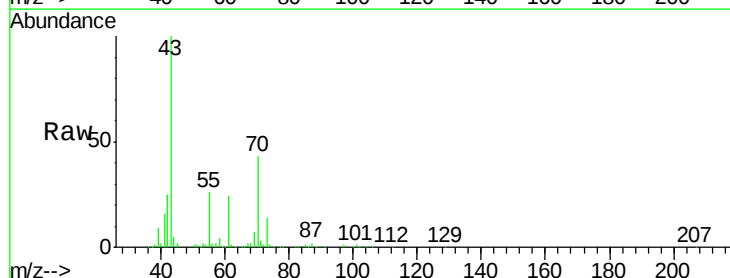
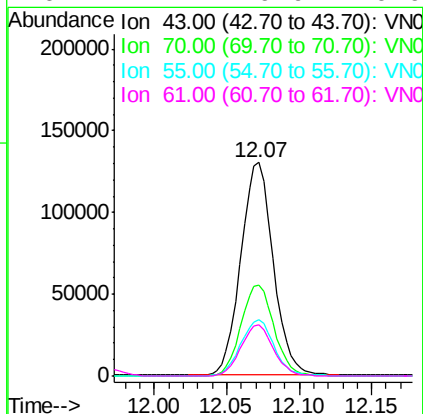
Ion Ratio Lower Upper

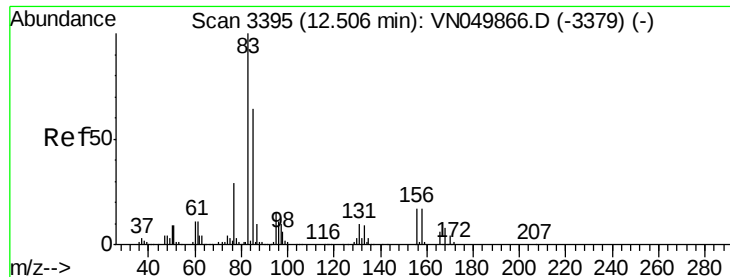
43 100

70 43.7 34.8 52.2

55 27.1 20.9 31.3

61 24.2 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.54 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049877.D

Acq: 18 Jul 2018 17:11

Instrument :

MSVOA_N

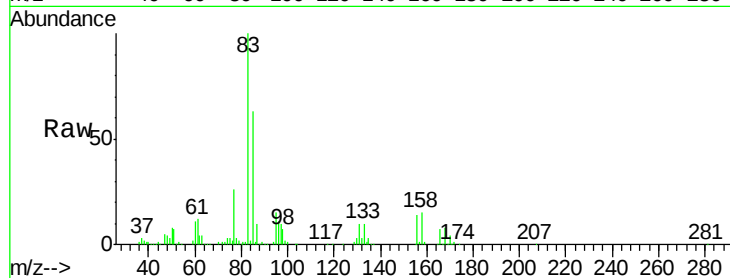
ClientSampleId :

VN0718WBSD01

Tot Ion:	83	Resp:	192750
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	66.1	32.5	97.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN049877.D (-3302) (-)

Ion 130.80 (130.50 to 131.50): VN049877.D (-3302) (-)

Ion 84.90 (84.60 to 85.60): VN049877.D (-3302) (-)

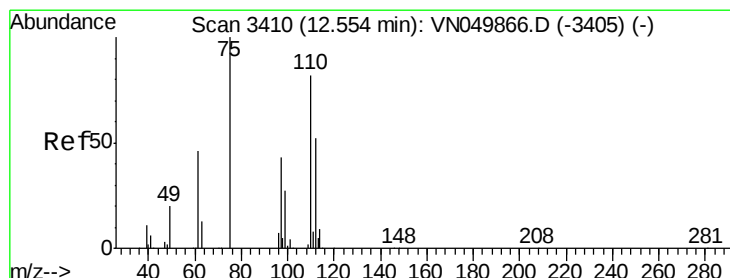
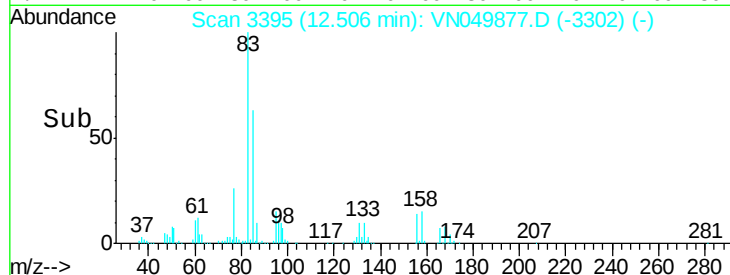
12.51

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 19.20 ug/l m

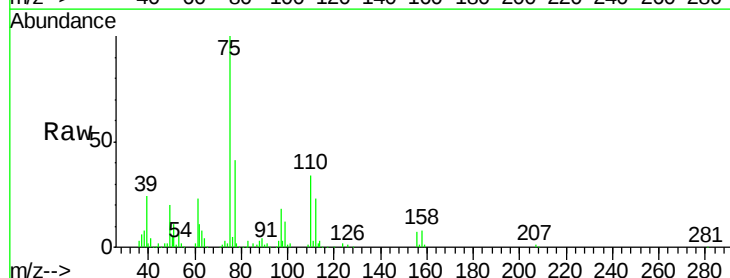
RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN049877.D

Acq: 18 Jul 2018 17:11

Tgt Ion:	75	Resp:	148471
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049877.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN049877.D (-3317) (-)

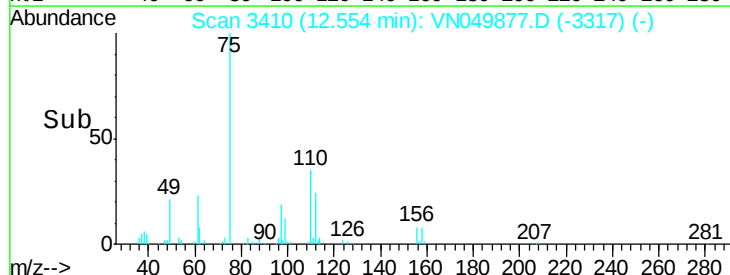
150000

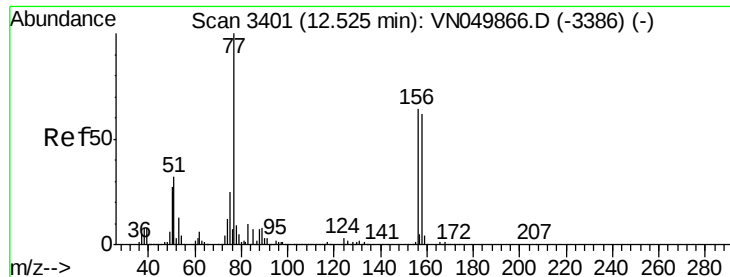
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 20.05 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049877.D

Acq: 18 Jul 2018 17:11

Instrument :

MSVOA_N

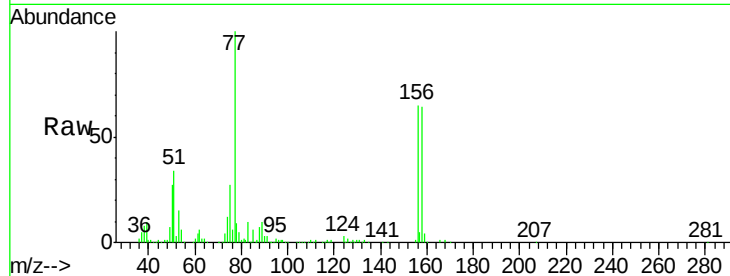
ClientSampleId :

VN0718WBSD01

Tot Ion:	156	Resp:	173383
Ion Ratio	Lower	Upper	
156	100		
77	185.6	90.2	270.6
158	97.6	49.1	147.3

Manual Integrations
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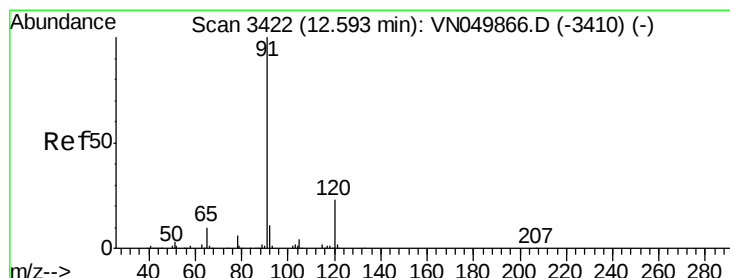
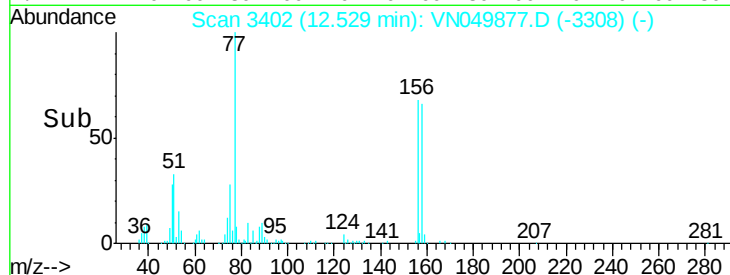
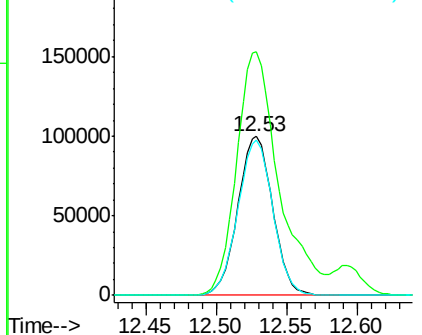
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.72 ug/l

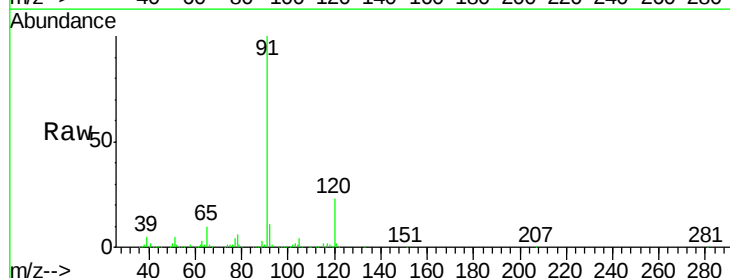
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049877.D

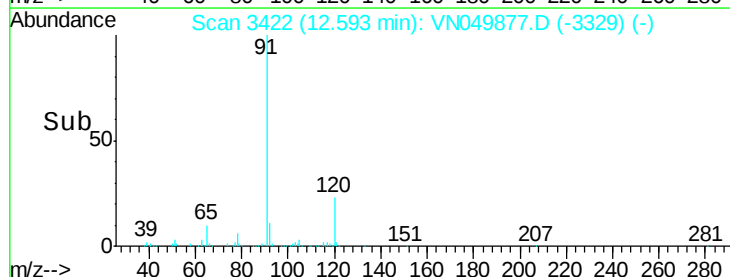
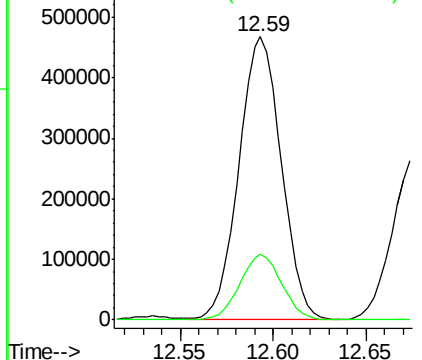
Acq: 18 Jul 2018 17:11

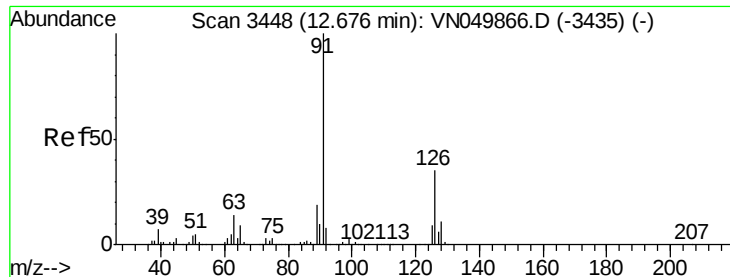
Tgt Ion:	91	Resp:	737905
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.67 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049877.D

Acq: 18 Jul 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD01

Tot Ion: 91 Resp: 451842

Ion Ratio Lower Upper

91 100

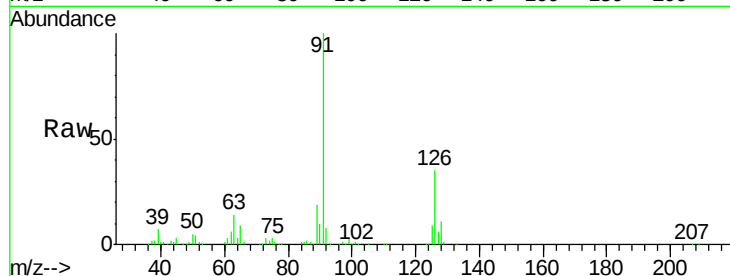
126 35.2 17.5 52.5

Manual Integrations

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

Ion 125.90 (125.60 to 126.60): VN049866.D (-3435) (-)

500000

400000

300000

200000

100000

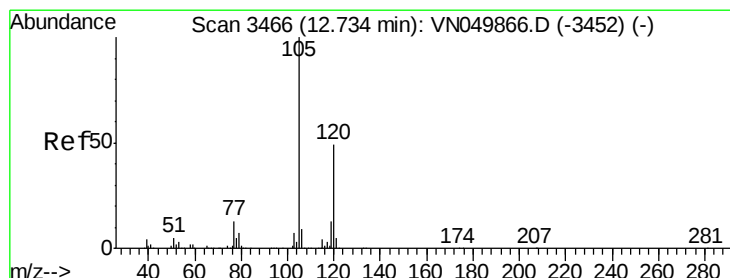
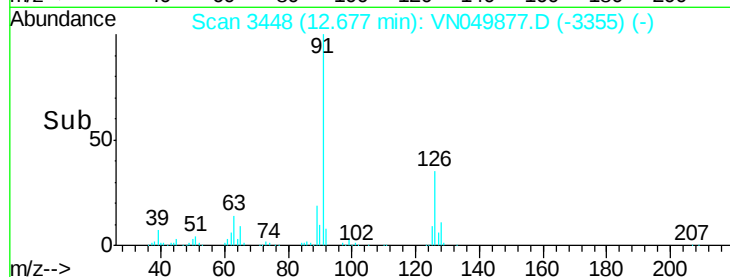
0

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.05 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049877.D

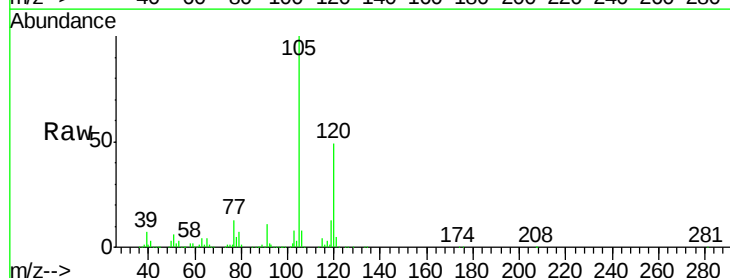
Acq: 18 Jul 2018 17:11

Tgt Ion: 105 Resp: 528433

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.8



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

Ion 120.00 (119.70 to 120.70): VN049866.D (-3452) (-)

400000

300000

200000

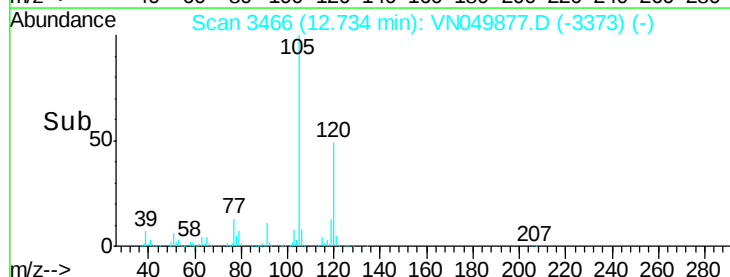
100000

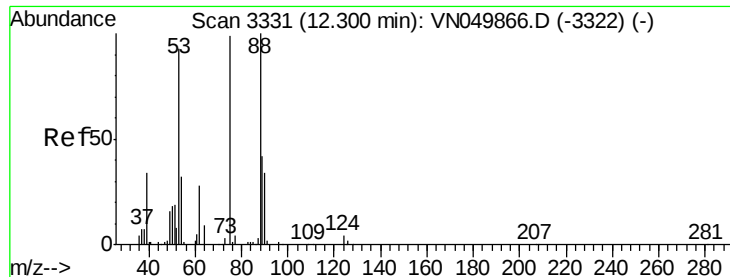
0

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.45 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049877.D

Acq: 18 Jul 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD01

Tot Ion: 75 Resp: 50584

Ion Ratio Lower Upper

75 100

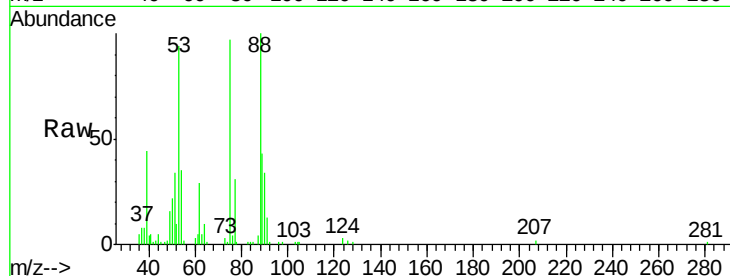
53 98.0 73.9 110.9

89 44.8 35.9 53.9

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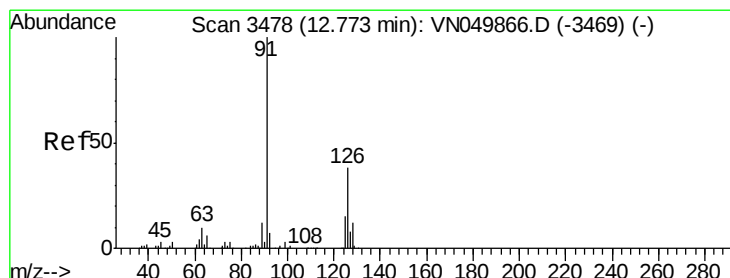
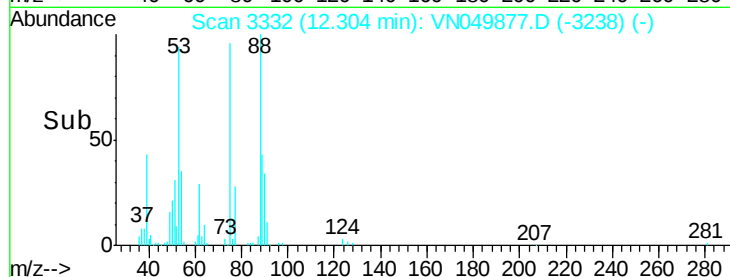
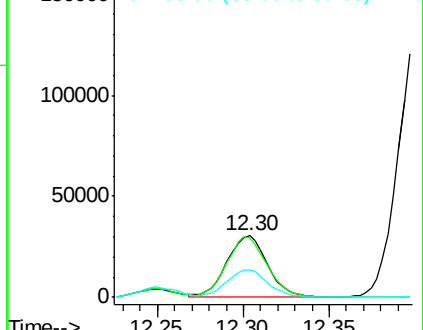
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Abundance Ion 74.90 (74.60 to 75.60): VN049866.D (-3322) (-)

Ion 53.00 (52.70 to 53.70): VN049866.D (-3322) (-)

Ion 88.90 (88.60 to 89.60): VN049866.D (-3322) (-)



#82

4-Chlorotoluene

Concen: 20.49 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN049877.D

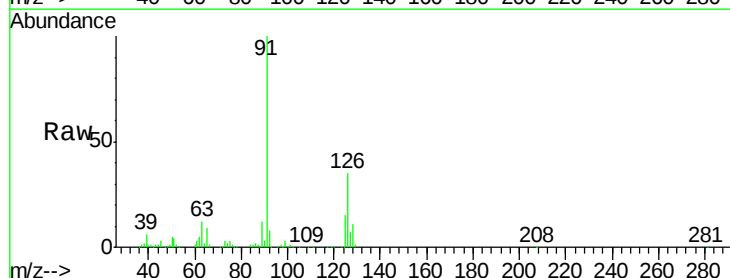
Acq: 18 Jul 2018 17:11

Tgt Ion: 91 Resp: 449516

Ion Ratio Lower Upper

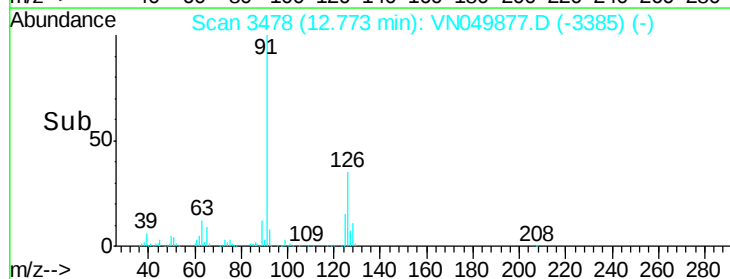
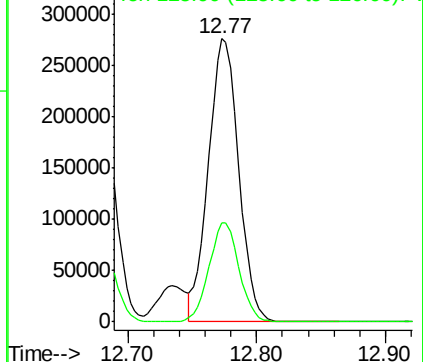
91 100

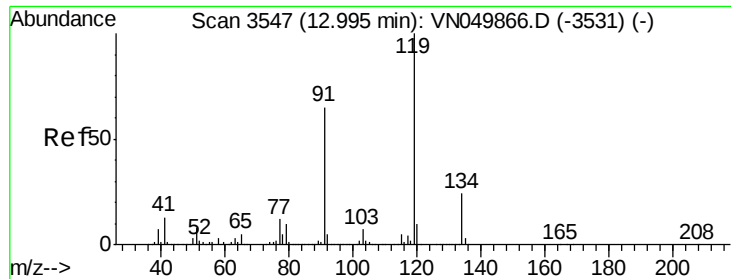
126 34.7 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN049866.D (-3469) (-)

Ion 125.90 (125.60 to 126.60): VN049866.D (-3469) (-)





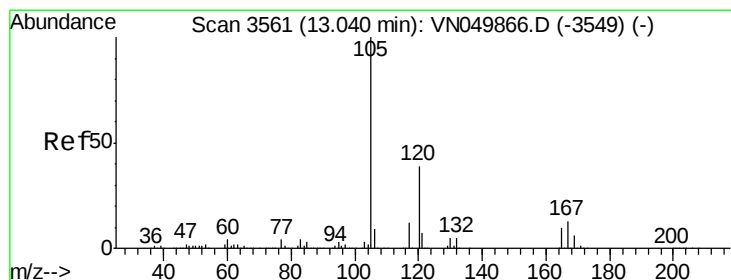
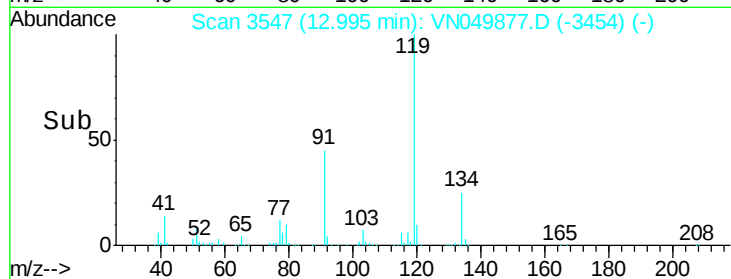
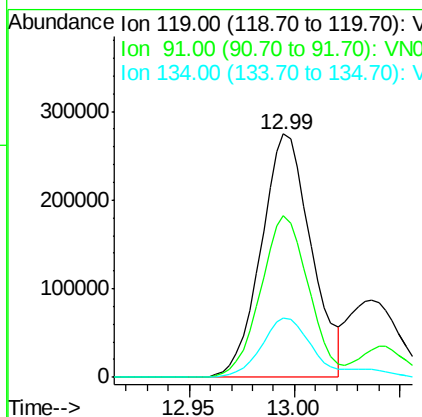
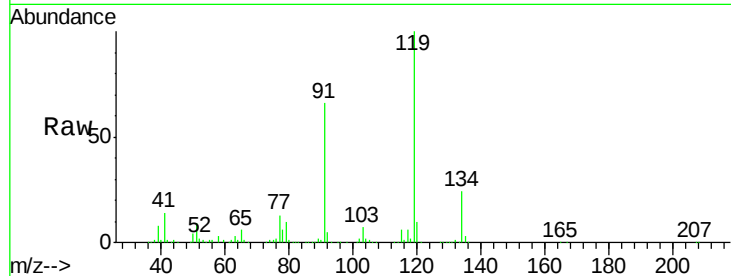
#83
 tert-Butylbenzene
 Concen: 20.55 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0718WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.0	96.2
134	24.2	12.8	38.4

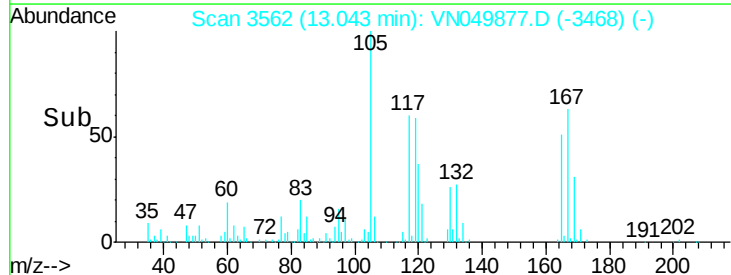
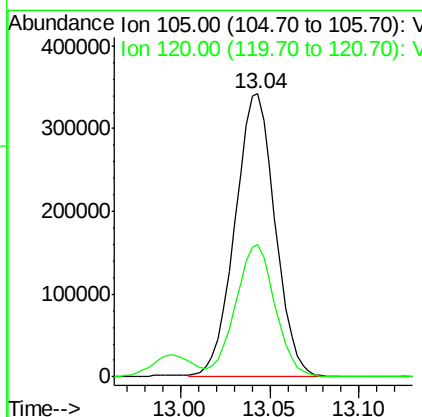
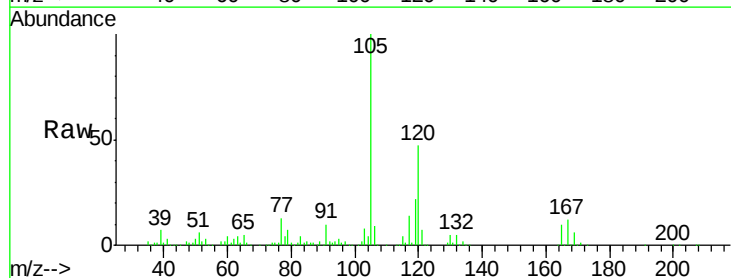
Manual Integrations
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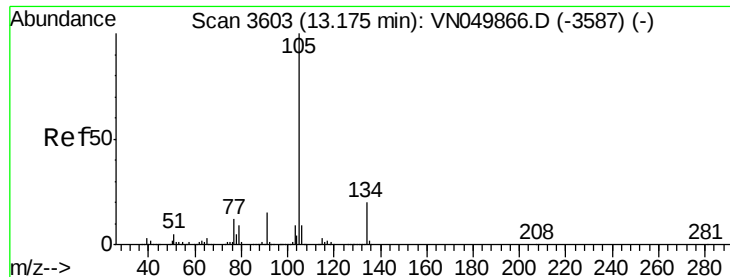
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.08 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.7	68.1





#85

sec-Butylbenzene

Concen: 21.05 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049877.D

Acq: 18 Jul 2018 17:11

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBSD01

Tot Ion:105 Resp: 613133

Ion Ratio Lower Upper

105 100

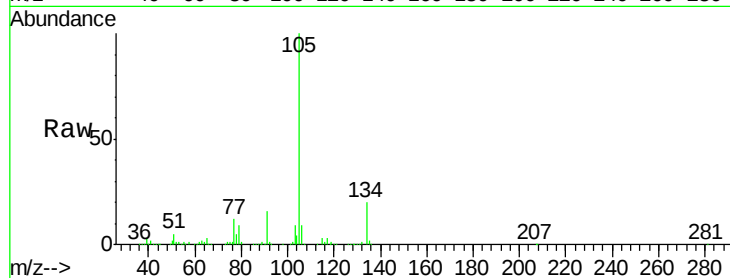
134 19.9 10.1 30.1

Manual Integrations

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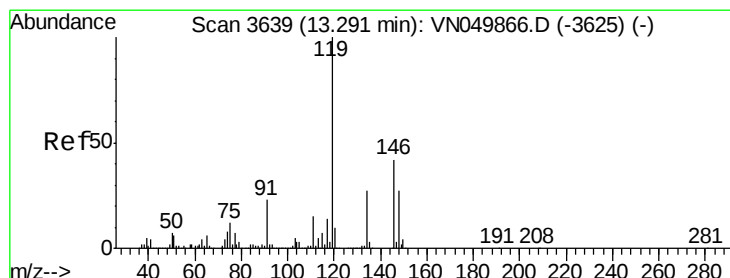
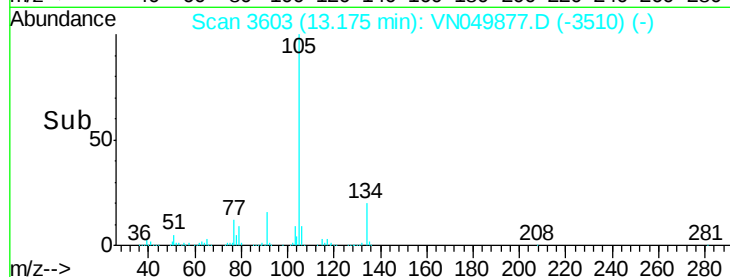
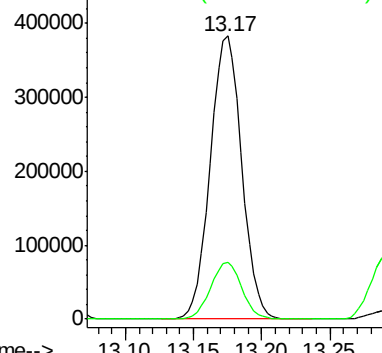
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.89 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049877.D

Acq: 18 Jul 2018 17:11

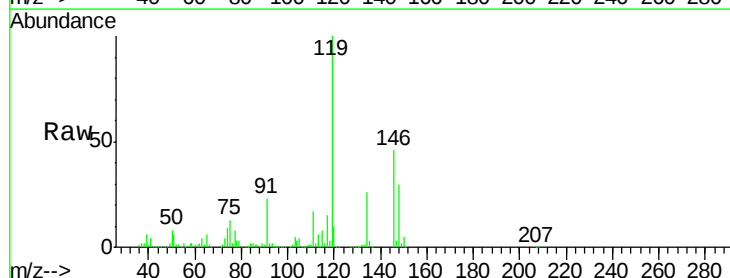
Tgt Ion:119 Resp: 518793

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

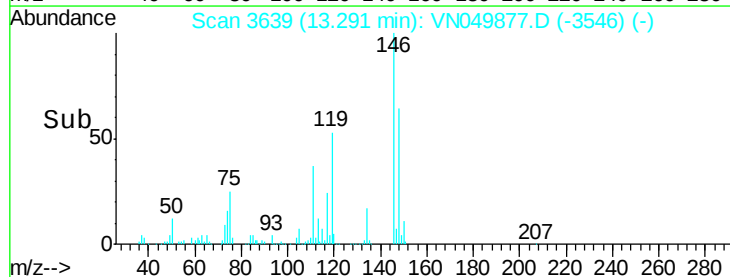
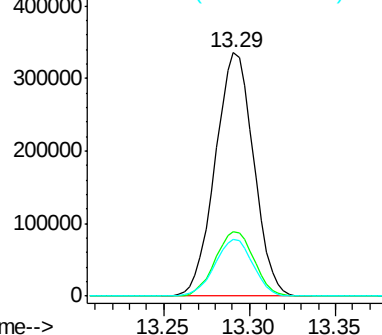
91 23.3 11.4 34.1

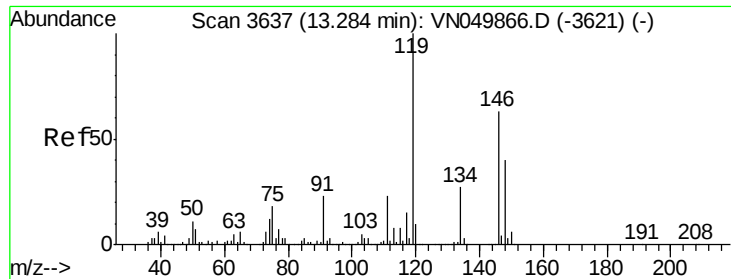


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





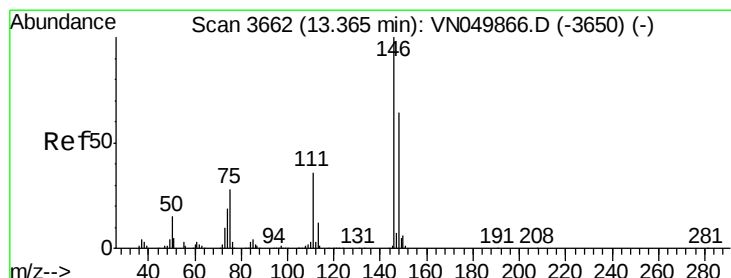
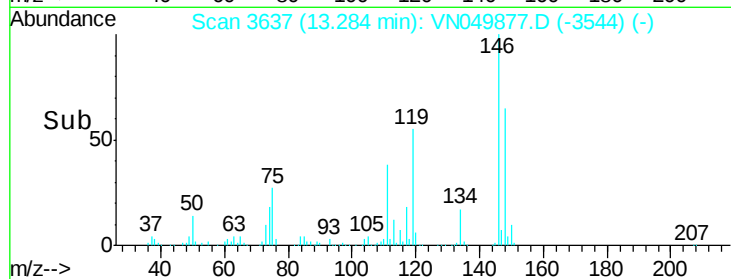
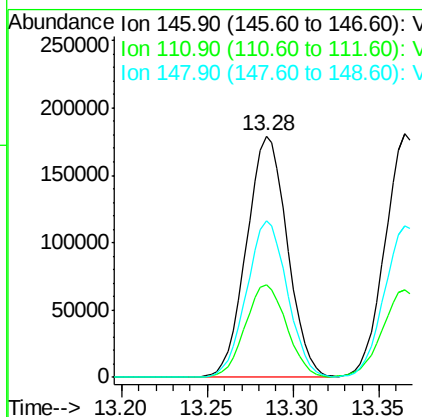
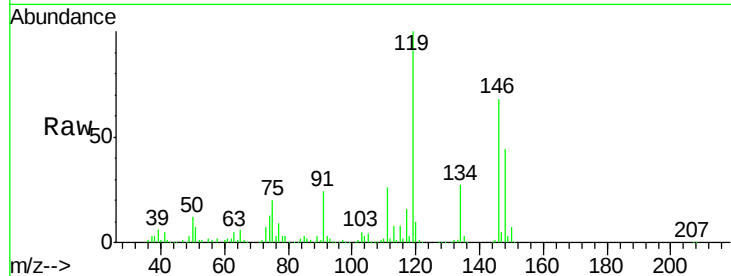
#87
 1,3-Dichlorobenzene
 Concen: 19.60 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.0	57.0
148	64.7	32.5	97.5

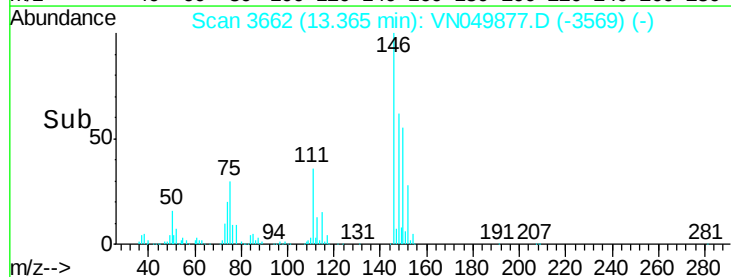
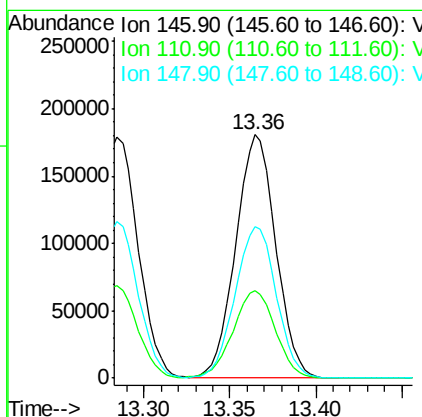
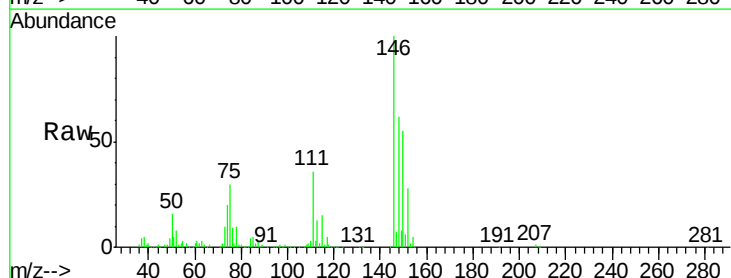
Manual Integrations
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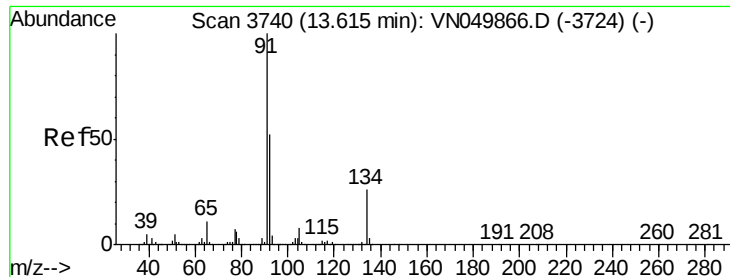
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#88
 1,4-Dichlorobenzene
 Concen: 19.35 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.5
148	64.2	32.1	96.3





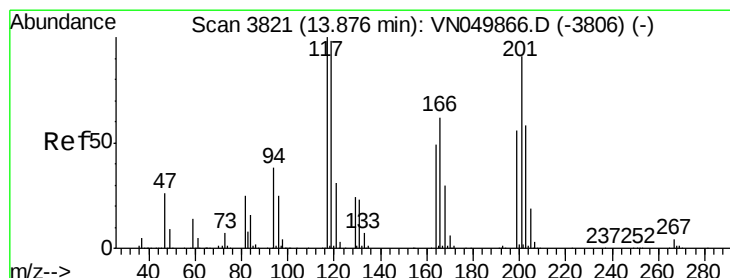
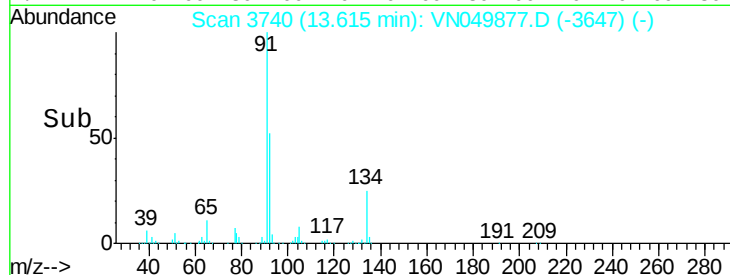
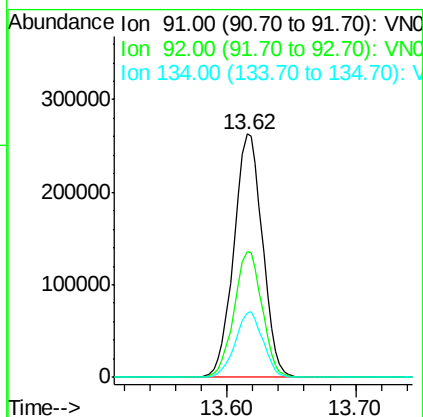
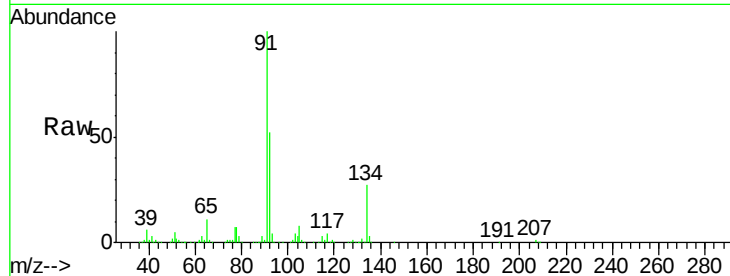
#89
n-Butylbenzene
Concen: 19.68 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Instrument :
MSVOA_N
ClientSampled :
VN0718WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.8	77.3
134	26.2	13.0	38.9

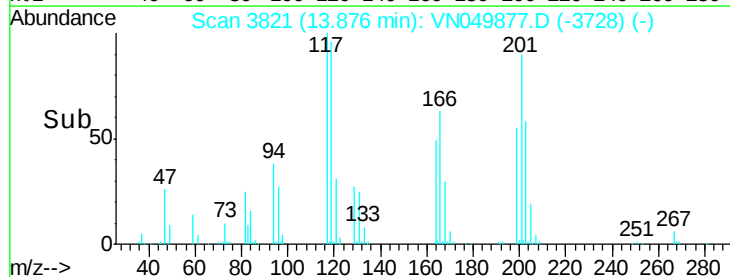
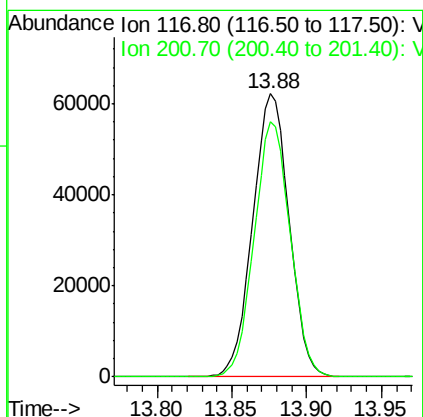
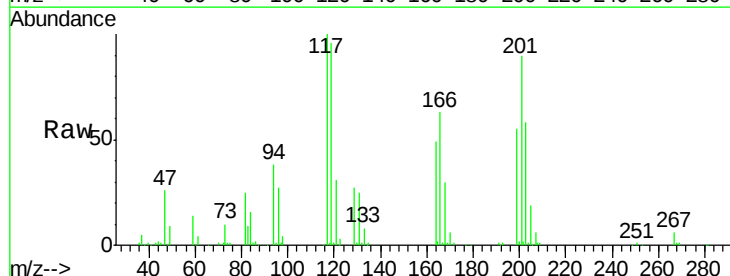
Manual Integrations
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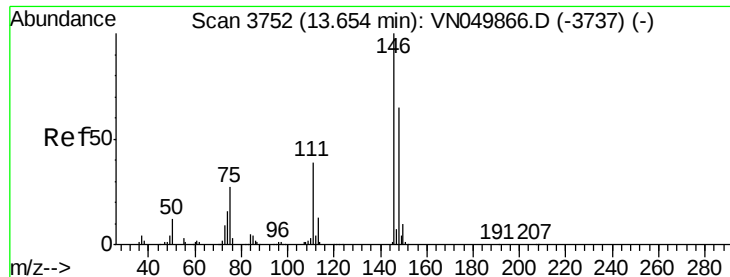
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#90
Hexachloroethane
Concen: 18.91 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.1	45.3	135.8





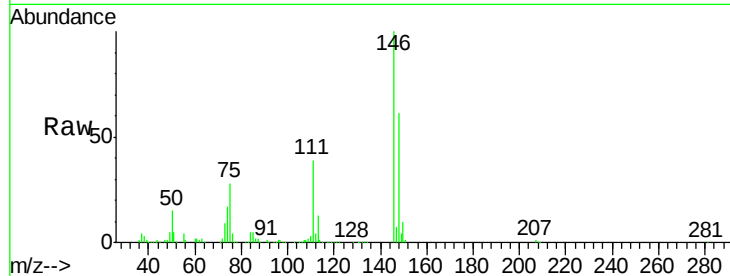
#91
 1,2-Dichlorobenzene
 Concen: 20.17 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.1
148	63.0	32.0	96.2

Manual Integrations
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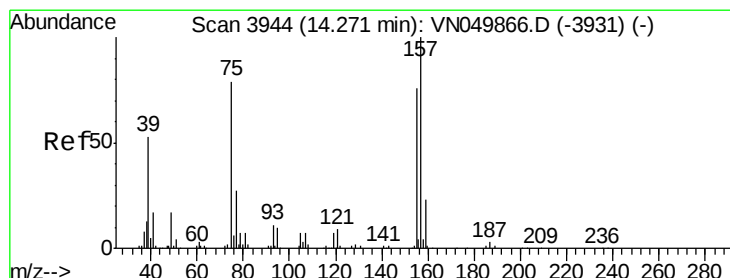
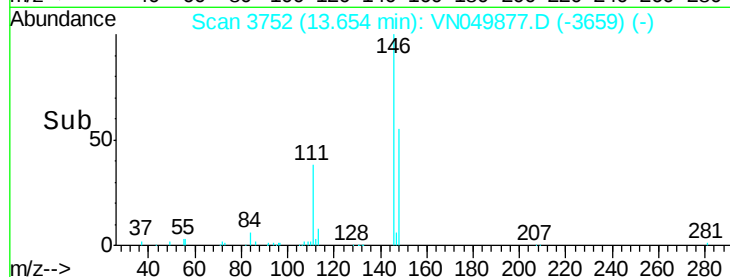
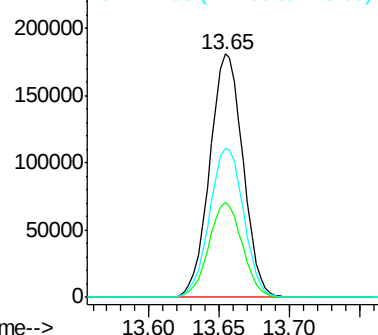


Abundance

Ion 145.90 (145.60 to 146.60): V

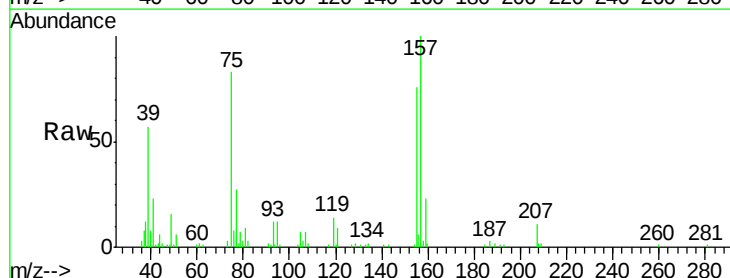
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.95 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.9	45.7	137.1
157	119.7	56.9	170.7

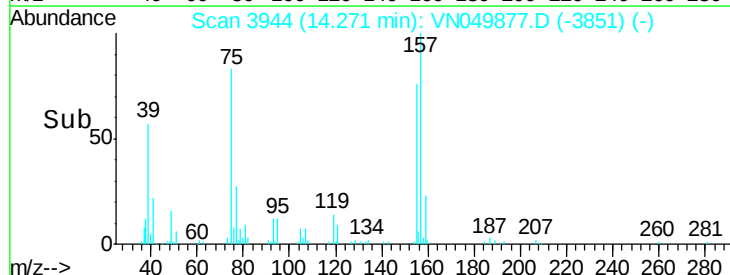
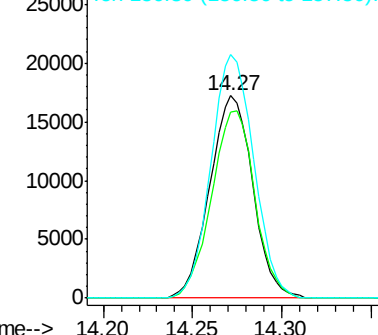


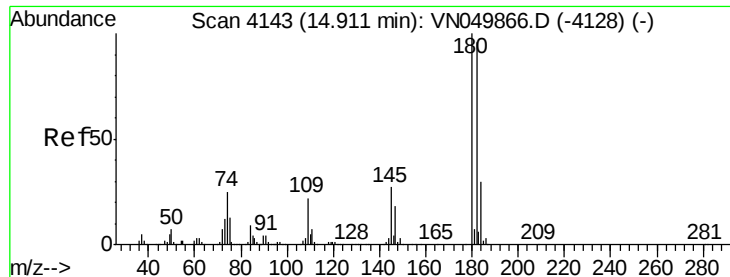
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





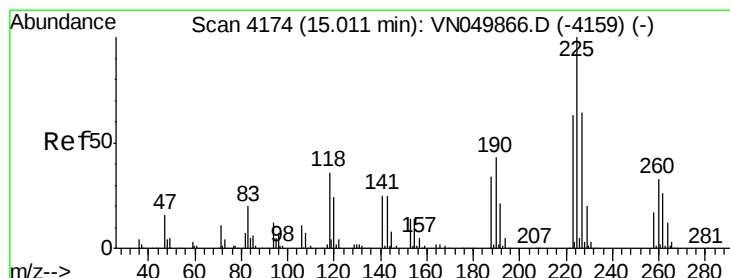
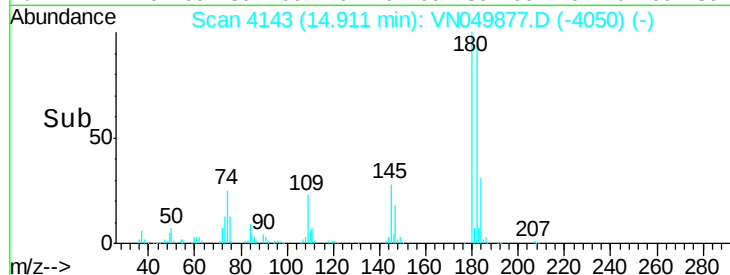
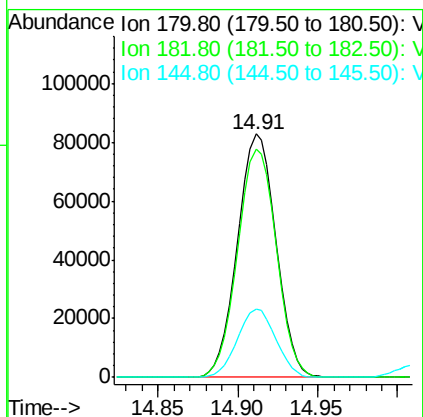
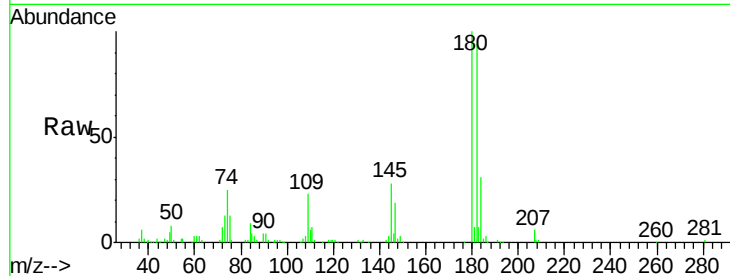
#93
 1,2,4-Trichlorobenzene
 Concen: 18.91 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	141.9
145	28.2	14.4	43.0

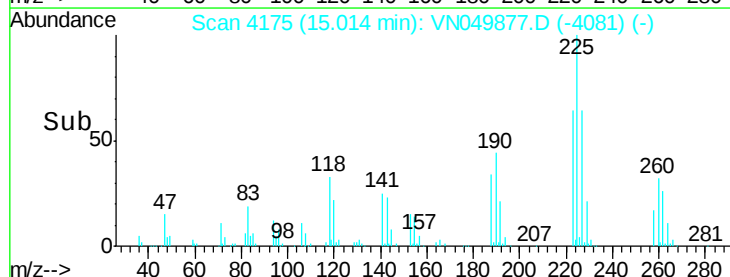
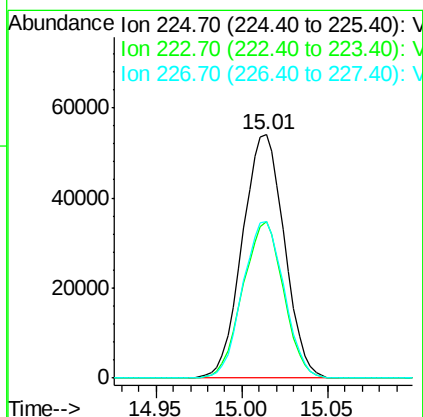
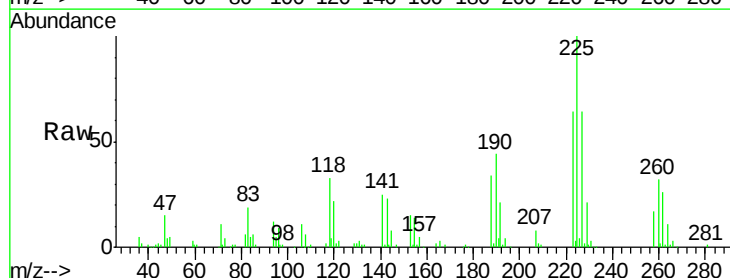
Manual Integrations
 APPROVED

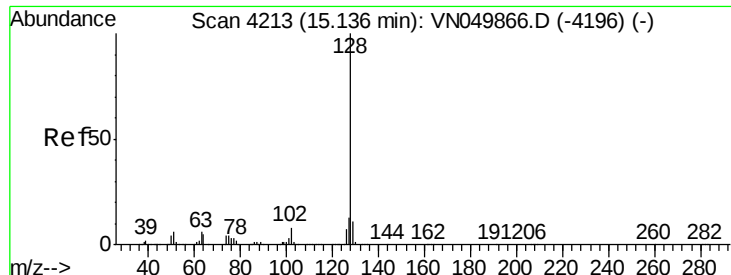
apatel
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#94
 Hexachlorobutadiene
 Concen: 18.87 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049877.D
 Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.9	92.7
227	63.5	31.8	95.4





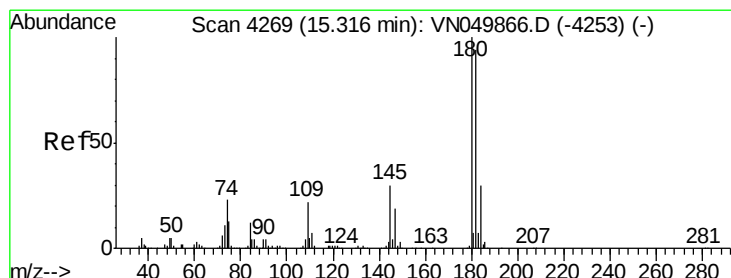
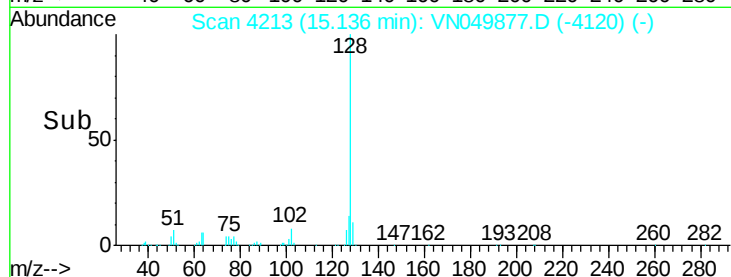
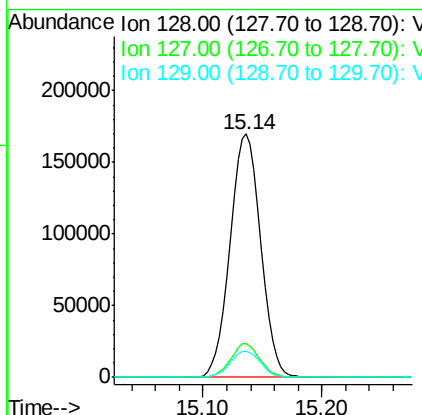
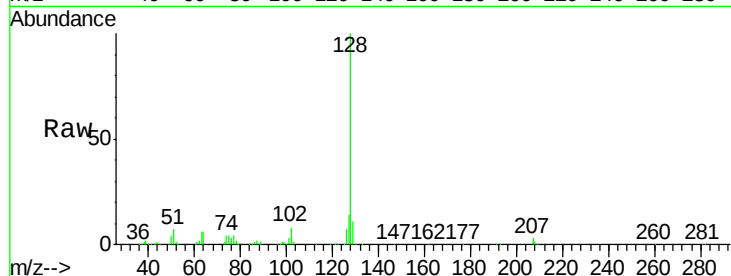
#95
Naphthalene
Concen: 18.62 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

apatel
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#96
1,2,3-Trichlorobenzene
Concen: 19.98 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN049877.D
Acq: 18 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.4	142.2
145	30.4	15.2	45.6

